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VOLUME 5 - APPENDIX D

ELECTRICAL EVALUATION OF RCA MWS5001D RANDOM ACCESS MEMORY

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JUNE 1979

AEROSPACE GROUPS

HUGHES

HUGHES AIRCRAFT COMPANY CULVER CITY, CALIFORNIA



JPL Subcontractor Report

JPL FILE NO. 9950- 154

TITLEELECTRICAL EVALUATION OF RCA MWS5001D RANDOM	ACCESS MEMORY
AUTHOR(S)A. Klute	
SUBCONTRACTOR <u>Hughes Aircraft Company: Aerospa</u>	ce Groups
SUBCONTRACTOR REPORT NO. Final Report, Vol. (Hughes Report No.	ume 5 (Appendix D)
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ELECTRICAL EVALUATION OF RCA MWS5001D RANDOM ACCESS MEMORY

Volume 5 FINAL REPORT JUNE 1979

(Appendix D) Contract Number JPL 954789

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Hughes Aircraft Company • Culver City, California

APPENDIX D DELTAS

ADDRESS ACCESS TIME (TAA) A1 25 C

VCC = 4.50

		LNIIIAL	168 HK	1000 HK	2000 HR
Sig		DATA	DELTAS	DELTAS	DELTAS
4	en en en en gant	125.MS	5.0045	5.00NS	0+00-5
ڌ		160.NS	0.00 S	0.00 S	-5.0UN3
Ь		215.NS	0.00 S	5.00NS	0.00 S
7		155.NS	5.00%8	0.00 S	0.00 8
. ხ		185.NS	0.00 S	0.00 5	0.00 S
9		160.NS	5.0UMS	5.00NS	0.00 8
10		155.NS	5.00mS	5.00NS	0.00 \$
11		160.NS	0.00 S	0.00 8	-5.00NS
12		95.0NS	5.00NS	0.00 S	0.00 S
13		165.NS	5.00NS	U.00 S	0.00 ន
1.4		185.05	0.00 S	0.00 S	-5.00NS
15		105.WS	5.00พธ	0.00 S	0.00 \$
1 to		215.NS	0.00 S	0.00 S	-5.00NS
1.7	•	1/0.0S	5.00MS	0.00 S	0.00 b
18	1	155.พธ	5.00NS	0.00 5	0,00 S
19		195.WS	0.00 S	5.00mS	0.00 ន
20		150.NS	0.00 S	0.00 S	U.UU S
21		220.NS	5.00NS	5.00NS	5.00NS
22	• • •	205.NS	5.00NS	0.00 5	0.00 S
23		100.48	5. ยบพธ	0.00 \$	-5.00NS
£4		140.45	NZA	NZA	N/A
25		175.as	0.00 \$	0.00 S	0.00 5
26		150.WS	5.00NS	5.00NS	0.00 5
27		105.NS	5.0UNS	0.00 5	0.00 5
28		185.45	5.00NS	5.00NS	0.00 8
29		1,65.NS	N/A	N/A	N/A
30	•	145.08	5.00NS	0.00 S	0.00 ន
3.1		155.NS	5.00MS	0.00 5	ម•្មម ន
32		235.NS	20.0NS	N/A	N/A
33		170 mS	35.0NS	20.0NS	30.0HS
34		215.NS	5.00wa	0.00 S	0.00 S
35		105.NS	5.00%	0.00 8	0.00 S

ADDRESS ACCESS TIME (TAA) AT 25 C

		LWITIAL	168 HR	1000 HR	2000 HR
Sil		OAIA	DELTAS	DELTAS	DELIAS
4		105.NS	5.00NS	0,00 S	0.00 5
5	,	130.NS	0.00 S	0.00 S	-5.00mS
Ь		160.WS	0.00 S	0.00 S	0.00 5
7		125.NS	-10,0NS	0.00 S	0.00 5
8		135.03	0.00 S	0,00 S	0.00 S
g		125.NS	5.00NS	5.00NS	0.00 5
10		125.NS	5.00WS	0.00 S	0.00 8
11		120.NS	5.00%5	0.00 S	0.00 S
12		85.0NS	5.00%S	0.00 S	0.00 S
13		125.NS	5.00NS	5.00NS	0.00 S
14		145.NS	0.00 S	0.00 5	+5.00MS
15		95.0NS	0.00 S	0.00 S	-5.00NS
16		155 NS	5.00NS	0.00 S	≖5.00หลั
1.7		135.NS	5.00 IVS	0.00 5	0.00 S
18		125.NS	5.00mS	0.00 S	0.00 S
19		145.NS	5.00NS	0.00 5	0.00 ន
20	: .	120.NS	0.00 5	0.00 S	0.00 S
21		175.NS	0.00 S	0.00 5	០.០០ ន
22		155.NS	5.00NS	0,00 S	0.00 ຮ
23		130 NS	5.00NS	0.00 S	0.00 5
24		115.NS	N/A	ti / A	ΝŽÄ
25		145.NS	0.00 S	0.00 S	-5.00kS
26		120.NS	5.00WS	0.00 S	0.00 5
.21		1.3505	0.00 S	0.00 5	-5.00MS
28	•	140.NS	5.0UNS	5.00NS	5.0UNS
29		130.05	и/А	N/A	N/A
30		120.NS	0.00 5	0.00 S	0.00 8
31		125.NS	5.00NS	0.00 S	0.00 5
32		180.NS	15.0NS	N/A	N/A
33		135.05	30.0NS	20,0NS	25.0พธ
34		175.WS	0.00 S	0.00 S	0.00 S
35		95.0NS	5.00mS	0.00 S	0.00 S
· .					•

ADDRESS ACCESS TIME (TAA) AT 25 C

		INTLAT	168 HR	1000 HR	2000 нк
SN		DATA	DELTAS	DELIAS	DELTAS
4		95.0NS	0.00 8	0.00 S	0.00 S
5		110.NS		0.00 S	0.00 8
6		130.05	5.00NS	5.00NS	0.00 8
1				0.00 5	0.00 \$
. 8		115.05		0.00 5	ប.បប ន
9		110.NS	5.00 NS	0.00 S	0.00 S
10		110.NS	5.00MS	0.00 S	0.00 8
11		105.NS	5.00MS	0.00 S	0.00 5
12	(x,y) = (y,y) = (x,y)	80.0N2	5.00NS	0.00 S	0.00 S
13		110.NS	5.00NS	0.00 S	0.00 8
14		125.NS	0.00 S	0.00 S	0,00 5
		85.0NS	5.00NS	0.00 S	0.00 8
15		125.NS	10.0NS	0.00 S	0.00 5
4.5		120.NS	0.00 S	0.00 S	-5.00NS
17		110.NS	5.00NS	0.00 S	0.00 5
1 to 1 9		125.NS	5.00NS	0.00 S	0.00 5
		105.NS	0.00 8	0.00 5	0.00 S
20		150.NS		0.00 5	0.00 S
21.		135.NS	0,00 S	0,00 S	-5.00NS
22 23		115.NS	5.00NS	0.00 S	0.00 8
		105.NS	N/A	N/A	N/A
24 25		125.NS	5.00NS	0.00 S	0.00 S
25 2b		105.88	0.00 5	0.00 S	0.00 ន
27		115.NS	5.00NS	0.00 S	0.00 8
28		125.NS	0.00 5	0.00 8	-5.00NS
29		115.NS	N/A	N/A	N/A
30		105.05	5.00MS	0.00 S	0.00 5
31		110.45	5.00MS	0.00 5	0,00 5
32	· ·	1.00KS	0.00 S	N/A	N/A
33		120.45	25.0NS	15.UN5	20.0NS
34		150.NS	5.0005	0.00 S	0.00 \$
3± 35		90.005	0.00 S	0.00 5	-5.00NS
33	*	20 # OND	0 # 0 0	THE T	· . · · · · · · · · · · · · · · · · · ·

DATA SETUP TIME (TDS) AT 25 C

VCC = 4.50

				the state of the s	the state of the s
		INITIAL	168 HR	1000 HR	2000 HR
នា		ATAG	DELTAS	DELTAS	DELTAS
4		16.005	0.00 S	0.00 8	6,00WS
5		20.0MS	0.00 S	0.00 S	2,00mS
6		14.0NS	0.00 5	2.00NS	4.00NS
7		10.0NS	0.00 S	0.00 8	4.00NS
R		14.0NS	0.00 S	0.00 8	4.00NS
9		10.0NS	0.00 5	0.00 S	4.00NS
10		20.UNS	-2.00NS	0.00 5	2.00NS
11		12.0NS	0.00 S	0.00 S	2.00NS
12		14.005	ប.0ប ន	0.00 5	4.00NS
13		16.008	0.00 S	0.00 5	4.00NS
14		20.UNS	0.00 5	0.00 S	4.00NS
15		8.0008	4.00NS	0.00 S	6.00NS
16		14.0%5	0.00 S	0.00 S	4.0005
17		20.0mS	0.00 5	0.00 5	4.00NS
18		20.0NS	0.00 8	0.00 S	2.0005
1.9		14.UNS	0.00 S	0.00 8	. 6.0บแร่
20		12.0NS	2.00NS	2.00NS	4.00mS
21		20.0NS	0.00 8.	0.00 5	2,00MS
22		14.UNS	0.00 S	0.00 5	4.00NS
23		12.0NS	0.00 S	0.00 S	2.00mS
24		8.UUNS	. N/A	N/A	N/A
25		26.0NS	√ (°0.00 S	0.00 S	4.00 NS
26		12.0NS	*. 2.0UNS	2.00NS	4.00NS
2.7		14.045	- 0.00 S	0.00 S	4.00 NS
28		14.UNS	2.00%S	2.00NS	4.00NS
29		- 20.0MS	n/a	N/A	N/A
30	•	14.0NS	2.00NS	2.00NS	6,00145
Зì		10.005	0,00 \$	2.00NS	4,00NS
32		22.UNS	2.00NS	N/A	N/A
33		1៩.បក្	2.00MS	0.00 S	4.0UNS
J4		14.UNS	0.00 S	0.00 S	4.00#5
35		14.005	0.00 S	0.00 S	4.0045
	- ·				the state of the s

DATA SETUP TIME (TDS) AT 25 C

Siv	LNITIAL UATA	108 HR DELIAS	1000 HR UELTAS	2000 dR Deltas
4	14.045	0.00 S	0.00 S	4.00mS
5	10.005	0.00 S	0.00 5	4.0005
5	12.UNS	2.0008	0.00 S	4.00NS
7	10.UNS	0.00 8	0.00 S	4.00mS
В	12.0NS	0.00 S	0.00 S	2.0005
9	12.0NS	-2.00NS	-2.00NS	2.00NS
10	16.008	0.00 8	0.00 S	4.00 NS
11	10.0NS	0.00 S	0.00 S	4.0UNS
12	12.UNS	0.00 S	0.00 S	4.00NS
13	14.048	0.00 5	0.00 S	4.0uns
14	16.UNS	-2.00NS	-2.00NS	2.00NS
15	8.00NS	0.00 S	0.00 S	4.0005
16	14.UNS	0.00 S	0.00 S	4.00NS
17	14.008	0.00 5	2.00 NS	4.0UNS
18	18.0NS	0.00 S	0.00 \$	A. OUNS
19	14.UNS	0.00 S	0.00 S	4.00NS
20	12.0NS	0.00 S	0,00 S	2.00NS
21	16.0NS	0.00 8	ប.00 ៩	4.00%5
22	12.008	-2.00mS	0.00 \$	2.00 mS
23	10.0NS	2.00NS	2.00NS	6.0006
24	ช.00พ5	AVA	A\n	N/A
. 25	20.0NS	0.00 S	0.00 8	6.ប៉ូបុកស
26	12.0NS	-2.00NS	0.00 S	2.00%5
21	12.UNS	ប _្ បប់ ន	0.00 S	4.00MS
28	14.0NS	0.00 \$	ម00 ≲	4.00NS
29	16.005	N/A	N/A	N/A
30	12.0NS	0,00 S	0,00 S	4.00NS
31	10.0NS	0.00 8	0.00 S	4.0045
32	18.UNS	0.00 S	N/A	N/A
3.3	16.008	0.00 S	0.00 S	4.00NS
34	12.048	0.00 S	0,00 S	4.00NS
35	12.008	0.00 8	0.00 8	2.00NS

DATA SETUP TIME (TDS) AT 25 C

ន៧		INITIAL DATA	168 HK DELTAS	1000 HR DELTAS	2000 HR Deltas
4		14.UNS	0.00 S	0.00 S	4.00MS
5		14.0mS	0.00 S	0.00 S	4.00MS
• б		12.0mS	2.0UNS	0.00 S	2.00%5
1		14.0NS	0.00 S	0.00 S	4.00NS
ਂ ਰ		12.0NS	-2.00NS	0.00 5	2.00mS
9		14.0NS	0.00 8	0.00 5	4.0045
10		14.UMS	0.00 S	U.00 S	4.UUNS
11		12.005		-2.00NS	2.00NS
12		12.0NS	-2.00NS	0.00 S	0.00 5
13		12.0MS	0.00 S	0,00 \$	4.00NS
14		14.0NS	0.00 5	0.00 S	4.00mS
15		10.0mS	0.00 S	0.00 S	2.00MS
10		10.0NS	0,00 S	0.00 5	4.00MS
1.7		14.UNS	0.00 S	0.00 8	4.00MS
1 ម		10.0NS	0.00 S	0.00 S	4.00NS
. 19		10.0NS	2.00NS	0.00 S	4.0UNS
20		10.0NS	0.00 8	0.00 S	4.00NS
21		16.045	0.00 S	0.00 5	4,00mS
22		12.005	0.00 8	0.00 S	4.00NS
23		14.UNS	្ត ប្រ.បប្ន	0.00 S	4.00%5
24		8.UONS	N/A	N/A	N/A
25		20.0NS	0.00 S	0.00 S	4.00mS
26		10.UNS	0.00 S	2.00NS	4.UUNS
2.7		12.UNS	0.00 5	0.00 S	4.00HS
25	•	14.ប្រាស	0.00 S	0.00 5	4.00หอ
29		14.005	NZA	M/A	N/A
3∪		12.008	0.00 5	0.00 \$	4.00៧៦
31		12.0MS	0.00 5	0.00 8	4.00กร
32	,	16.048	6.00NS	A/A	N/A
33		14.0NS	0.00 ន	0.00 S	4.0005
34		14.UNS	0.00 S	0.00 \$	4.00NS
35	1 	10.0AS	0.00 5	0.00 5	4.00Nb

UATA HULD TIME (TDH) AT 25 C

VCC = 4,50

	INITIAL	168 nH	1000 HR	2000 HR
5W	DATA	DELTAS	DELTAS	DELITAS
4	12.0NS	2.00NS	2.00mS	-4.00MS
5	14.005	4.00NS	4.00%8	-4.00NS
6	20.0NS	2.0008	0.00 S	6.00MS
7	18.008	0.00 S	0.00 S	-6.00mS
8	18.005	0.00 8	0.00 5	-4.00NS
9	I & . ONS	2.00MS	0.00 S	-4.00NS
10	14.005	0.00 5	0,00 ŝ	₩4.ÚUNS
11	14.UNS	2.00NS	2.00NS	=2.00 គេន
12	12.0NS	2.00NS	2.00NS	=2.00NS
13	14.005	2.00NS	2.0005	-4.00mS
14	1.4.0MS	4.0UNS	4.00NS	-2.00ms
15	16.0MS	2.00NS	2.00NS	-4.00NS
16	18.UNS	2.00NS	2.00NS	-4.0UNS
17	18.UNS	0.00 S	0.00 5	-6.00NS
1 B	14.005	4.00NS	4.00NS	-2.00NB
19	18.045	4.00NS	2.00MS	-2.00mS
20	16.UNS	2.00NS	2.00NS	-4,00NS
21	16.0NB	2.00%	0,00 8	-4.0UNS
22	18.0NS	2.0005	2.00ម5	-4.00MS
23	18.005	0.00 S	0.00 S	-4,00ms
24	18.045	N/A	N/A	A\A
25	14.UNS	2.00NS	2.00NS	-4.00NS
26	14.005	2.00mS	4.00NS	+2.00NS
27	18.0MS	0.00 S	0,00 S	-4.00NS
28	18.0aS	0.00 S	0.00 S.	-b.00m5
29	14.0∀5	A\N	N/A	A \ M
3 U	14.0NS	2.00NS	0.00 S	-4.00NS
31	1 a . UNS	0.00 \$	0.00 S	-4.00mS
32	22.UNS	0.00 S	N/A	N/A
ڏ د	14.0mS	4.00mS	4.00NS	-4.00NS
34	14.UNS	2.00NS	2.00NS	-4.00NS
35	14.UNS	4.00MS	2.00NS	-4.00 AS

DATA HULD TIME (TDH) AT 25 C

	INITIAL	168 HF	1000 HR	2000 HR
Siv	DAIA	OLL TAS	DELIAS	DELTAS
4	14.UNS	2.0008	2,00NS	-4.00NS
5	18.0NS	0.00 \$	0,00 S	-4.00ms
ь	22.UNS	4.00NS	2,00NS	-2.00NS
1 1 1 1 1 1 1 1 1	20.0NS	2.00NS	0.00 8	-4.0UNS
8	22.0NS	-2.00mS	-2,00NS	=4.00NS
9	20.048	2.0085	2.00MS	-4.00ks
10	16.095	2.00NS	2.00NS	-4.0∪N5
11 .	18.048	2.00mS	0.00 S	-4.00NS
1.2	14.0NS	4.00NS	2.00NS	-2.00MS
13	10.0NS	2.00MS	2.UUNS	-4.00mS
14	18.005	2.00MS	0.00 S	-4. 00⋈\$
15	16.UNS	2.00NS	០ប ន	- 4.0005
16	22.045	0.00 S	0.00 ង	-6. 00₩5
17	18.005	2.00mS	0.00 S	-4.00mS
1 ថ	18.005	0.00 S	0.00 S	≈4.00MS
19	22.0NS	0.00 5	0.00 S	-4.00NS
20	18.0NS	2.UQNS	2.00NS	-4.00mS
21	20.0NS	2.00NS	2.00NS	-4.00NS
22	22.0AS	U.UU S	0.00 S	-4.UUNS
23	20.UNS	2,0005	2.00MS	-4.UUNS
24	20,005	N/A	14 / A	n/a
25	18.0MS	0.00 S	0.00 S	-4.00ms
26	18.005	2.00MS	0.00 S	-4.00MS
27	20.0NS	2.00%5	2,0005	-4.00MS
28	20.0NS	0.00 S	0.00 S	-6.0UNS
29	10.0NS	iv / A	n/A	N/A
30	10.045	2.00NS	2.00NS	-4.0UNS
31	20.0NS	2.00kS	0.00 S	-4.00NS
32	24.0NS	2.0UNS	n/A	A\m
ŝβ	18-045	0.00 S	0.00 \$	-6.00NS
34	10.0NS	2.00MS	2.00Nb	-4.00MS
35	18.UNS	0.00 5	0.00 5	-6.00mS

DATA HOLD TIME (TDH) AT 25 C

	2000 HK
DELTAS	DELTAS
2.00NS	-2,00ms
2.00NS	-4.QUNS
2,00NS	-2.00NS
2.00NS	-4.00NS
4.UUNS	-2.00mS
2 2 00 NS	-4.00HS
2.UUNS	-4,00mS
2.00NS	-2.00aS
0,00 S	-4.0UNS
0.00 S	=4.00nS
2.00NS	-4.00MS
2.00%5	-4.00MS
0.00 S	-4.00MS
	÷6.00ห2
	-4.00ms
	-4.00mS
-	-4.00mS
	-4.00NS
	-4.0UNS
	-4. 00%3
A\N	n/A
2.00%	-4.00NS
2.00NS	-4.00 MS
	-0.00MS
•	=4.00สธ
	N/A
- • -	=4.00mS
	=6.0บพธ
	N/A
	-4.00NS
	-4.00MS
2,00NS	-4.00NS
	2.00NS 2.00NS 2.00NS 4.00NS 2.00NS 2.00NS 2.00NS 0.00 S

WRITE PULSE WIDTH (TWP) AT 25 C

VCC = 4,50

	1 The state of the			
	INITIAL	168 ик	1000 hR	2000 HK
5 N	DATA	UELTAS .	DELTAS	ULLLAD
4	49.042	0.00 \$	0.00 S	0.00 S
5	54.UNS	ប.0្ប ន	0.00 S	-4.00NS
b	46.005	10.0NS	g*00W2	-2.00MS
1	42.UNS	0.00 S	0.00 S	0.00 S
8	40.0NS	U.UU \$	0.00 5	0.00 So.
9	40.UNS	0.00 S	0.00 S	0.00 8
10	54.UNS	0.00 \$	0.00 S	-4.00NS
11	40.0NS	0.00 5	0.00 S	2.00MS
12	46.0NS		0.00 S	4.0UNS
13	40.0NS	6.0UNS	6.00NS	2.00mS
14	52.0NS	-4.0UNS	0.00 5	0.00 S
15	40.0MS	0.00 8	2.00NS	2.00NS
1.6	46.0NS	0.00 8	0.00 \$	2.00MS
11.	52.UNS		-4.00NS	0.00 S
18	54.005	0.00 S	2.00NS	2.00NS
19	52.008	-4.00NS	-4.00n5	-2.00NS
	44.0NS	2.00NS	2.00NS	បំ.បំបំ ន
21	50.0HS	6.00NS	6.00NS	6.00W5
22			-2.00NS	0.00 5
23	40.005	0.00NS	6.00NS	2.00NS
24	38.0NS	w/A	N/A	N/A
25	50.0WS	4.00NS	4.00NS	2.0005
26	4U.UNS	0.00 S	0.00 S	2.00MS
27	46.035	0.00 S	0.00 S	-2.00mS
2 8	40.0NS	0.00 \$	2.00NS	2.0005
29	54.0NS	MVA	N/A	N/A
30	46.UNS	0.00 S	0.00 S	2.00NS
31	40.0mS	0.00 S	0.00 S	0.00 8
32	64.UNS	4.00mS	N/A	N/A
33	52.UNS	2.00MS	2.00NS	0.00 S
34	48.003	0.00 S	0.00 S	0.00 \$
3.5	40.005	0.00 S	0.00 S	-2.00NS

Party Company

WRITE PULSE WIDTH (TWP) AT 25 C

		lntTIAL	168 nR	1000 HR	2000 HR
SW		UAľA	DEGTAS	DELTAS	DELTAS
4		44.0NS	0.00 S	0.00 S	-2.00NS
5		46.0NS	0.00 \$	0.00 8	-2.00MS
. 6		40.0NS	6.0048	6.00NS	2.0008
7		38.0NS	0.00 S	0.00 S	2.00MS
8		36.0NS	2.00NS	2.00NS	2.00NS
9		38.0MS	0.00 5	-2,00NS	-4.0UNS
10		45.0NS	0.00 8	0.00 S	-2.00NS
11		36.0MS	2.00MS	2.00NS	0.00 S
12		46.0NS	0.00 8	0.00 S	-4.00NS
13		38.0MS	0.00 S	0.00 5	-2.00MS
14		44.UNS	0.00 8	2.00NS	-2.00NS
15		38.0WS	0.00 8	0.00 S	0.00 S
16		42.UNS	2.00NS	4.00NS	0.00 S
1.7		46.0mS	0.00 S	0.00 S	-4.00NS
18		46.0NS	2.00NS	2.00NS	4.00NS
19		46.0NS	0.00 S	0.00 5	0.00 S
2.0		38.0NS	0.00 ន	0.00 \$	2.00NS
21		54.0NS	0.00 S	0.00 S	-4.00NS
22		38.0NS	0.00 S	0.00 \$	2.0008
2.3	2. ·	38.UNS	0,00 S	0.00 S	-2.00mS
24		34.0NS	N/A	iv / A	N/A
25		54.0NS	0.00 \$	0.00 S	-4.00หร
26		38.0NS	0.00 S	0.00 S	0.00 \$
. 27		.38.0NS	0.00 S	0.00 \$	2.00MS
28		38.UNS	4.00NS	2.00NS	4.00mS
29		46.UNS	N/A	N/A	N/A
30		40.UNS	4.00NS	2.00NS	2.00NS
31		.38.0NS	0.00 S	0.00 5	-2.00mS
32		56.UNS .	-2.00NS	N/A	N/A
33		46.UNS	0.00 S	0.00 5	-2.00NS
34		44.0NS	0.00 S	0.00 S	0.00 S
35		40.UNS	0.00 S	2.00NS	2.00NS

WRITE PULSE WIDTH (TWP) AT 25 (

SW	INITIAL DATA	168 HK DELTAS	1000 HR DELTAS	2000 HK DELTAS
4	40.0mS -	-2.00NS -	2.00NS	0.00 S
5	40.0NS	0.00 8	0.00 S	0.00 5
o	38.005	2.00MS	0.00 S	0.00 5
7	36.008	2.00NS	0.00 S	-2.00NS
8	32.005	0.00 S	0.00 S	0.00 S
9	32.0NS	0.00 S	0.00 5	0.00 S
10	40.0NS	0.00 S	0,00 S	0.00 S
11	32.0NS	0.00 \$	0,00 S	0.00 5
12	40.0NS	0.00 S	0.00 S	2.00NS
13	32.0NS	0.00 S	4.00NS	0.00 S
14	38.0WS	0.00 5	0.00 S	4.00mS
15	38.0NS	2.00NS	0.00 S	-4.00MS
16	38.0NS	0.00 S	2.00NS	2.00MS
11	38.UNS	0.00 S	0.00 S	4.00mS
18	44.0NS	2.00NS	-	-2.00mS
19	40.0NS	0.00 S		2.00NS
20	36,0NS	0.00 S	0.00 S	0.00 S
21	46.UNS	2.00NS		-2.00WS
22	38.0NS	0.00 \$	· · · · · · · · · · · · · · · · · · ·	-4.00NS
23	36.0NS			-2.00mS
24	30.005	N/A	N/A	N/A
25	46.0MS	0.00 S	0.00 S	2.0บหร
2 0	32.0NS	0.00 S	0.00 S	0.00 S
27	36.0MS	2.00NS	2.00NS	0.00 S
28	38.045	0.00 S	0.00 5	-2.00MS
29	40.085	ANN	N/A	N/A
30	38.005	0.00 5	0.00 \$	0.00 S
31	32.0NS	0.00 8	4.00NS	0.00 5
3.2		-8.00MS	N/A	N/A
4.33	40.0NS	0.00 \$	0.00 S	0.00 8
34	40.0NS	0.00 S	0.00 5	0.00 S
35, 1, 1, 1, 1	38.014S	0.00 S	0.00 S	2.00NS

ADDRESS SETUP TIME (TAS) AT 25 C

VCC = 4.50

		INITIAL	168 HR	1000 BR	2000 HR
; ;	SN	DATA	DELTAS	DELTAS	DELIAS
	Д	18.0NS	2.00NS	0.00 S	-4.00NS
- 4 1 1	<u>4</u> 5	24.0NS	4.0UNS	0.00 S	-4.00mS
-		44,0NS	12.0NS	2.00NS	-2.00NS
	ь 7	28.008	12.0NS	2.00NS	-2.00NS
	8	36.0NS	18.0NS	2.00NS	-2.00NS
į	ÿ	32.045	14.0NS	0.00 5	-4.00NB
	10	24.UNS	6.00NS	0.00 S	-4.00NS
	11	30.005	10.0NS	ប.00 ន	-4.00NS
	12	10.0NS	0.00 8	0.00 S	-6.00HS
	ĨĴ	28.UNS	10.0NS	0.00 5	-4.00NS
	14	30.0NS	8.00NS	0.00 S	-4.00NS
ere.	15	16.UNS	2.00NS	U.00 S	-4.0UNS
	Î o	44.045	24.0NS	2.00NS	-4.00NS
ti.	17	28.UNS	6.00NS	0.00 5	-6.00NS
	18	24.UNS	6.00NS	0.00 5	-4.00NS
1	19	42.0NS	18.0NS	0.00 S	-4.00NS
i Na	20	24.0nS	6.00NS	0.00 \$	-4.00 NS
1	21	30.0mS	6.00NS	0.00 S	-4.00mS
	22	42.0MS	18.0WS	0.00 S	-2.00MS
	23	32.0NS	12.0NS	0.00 S	-4.00NS
À2	24	24.0mS	n/A	N/A	n/A
	25	26.UNS	4.00NS	0.00 S	-4.00หอ
\$7	20	28.UNS	8.00NS	. , , 0, 00 8	-4.00MS
u. 11	21	28.0NS	6.00NS	0.00 8	-4.00NS
	2 ช	32.005	14.UNS	0.00 5	-2.00mS
()	29	26.UNS	N/A	N/A	N/A
	30	22.0NS	6.00WS	0.00 S	-4.00NS
E	31	30.0NS	12.0NS	0.00 S	-4.00KS
erica.	3.2	38.085	14.045	A/A	N/A
11	3.3	26.005	8.00NS	2.00NS	-4.00MS
و ا	34	72.0NS	14.0NS	2.00NS	0.00 ន
	35	18.0NS	0.00 S	J.00 S	-4.UUNS
# · ·					

ADDRESS SETUP TIME (TAS) AT 25 C

	INITIAL	168 HR	1000 HR	2000 HR
SN	DATA	DELIAS	DELTAS	DLLTAS
4	15.005	2.0005	2.00NS	-2.00HS
5	20.005	4.00NS	2.00NS	-2.00mS
5	30.0NS	8.00NS	2.00NS	=2.00MS
7	24.04S	6.00NS	0,00 8	-4.00NS
범	26.048	6.0UNS	0.00 8	-4.00NS
9	24.UNS	8.00NS	2.00NS	-2.00NS
10	20.0NS	2.00NS	0.00 S	-4.00NS
11	22.0NS	4.00NS	2.00NS	-4.00NS
12	16.045	0.00 S	0.00 S	-6,00NS
13	20.0NS	6.00NS	2,00NS	-2.00NS
14	24.0NS	4.00NS	0.00 S	-4.00NS
15	10.0NS	0.00 S	0.00 8	-4.00HS
Ιό	32.0NS	8.00NS	0.00 S	-6.00NS
17	22.0WS	4.00NS	0.00 S	-4.0UNS
18	20.0MS	2.00NS	2.00NS	-4.00NS
19	30.0MS	8.00NS	0.00 S	-4.00NS
20	20.0NS	2.00NS	0.00 8	-4.00mS
21	24. UNS	2.00NS	0.00 S	-4.00NS
22	32.0NS	8.00NS	0.00 S	-4.00 NS
23. 2010.00	26.UNS	6.UUNS	0.00 S	-4.00mS
24	20.0NS	N/A	N/A	N/A
25	24.0NS	U.0U S	0.00 S	-6.00MS
20	22.UNS	4.00NS	0.00 8	-4.00NS
27	24.0NS	2.00NS	0.00 S	±6.00NS
28	24.0NS	D. 00MS	2.00NS	-2.00NS
29	22.0NS	NZA	A/A	N/A
30	20.0NS	2.00NS	0,00 S	-4.00NS
31	24.UNS	6.00NS	0.00 S	-4.00NS
32	30.0NS	8.00NS	N/A	N/A
33	22.0WS	2.00NS	0.00 S	-4.00NS
34	58.UNS	10.0NS	-2.00NS	-4. 0085
35	18.0NS	0.00 S	0.00 S	•4.00MS

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ADDRESS SETUP TIME (TAS) AT 25 C

VCC = 5,50

	LATTIAL	Los HR	1000 HK	2000 HR
5 ly .	υΑľΑ	DELTAS	DELTAS	DELTAS
4	18.0WS	0.00 S	0.00 S	-4.00NS
5	22. UNS	0.00 S	0.00 5	=4.បបផង្
6	26.048	4.00mS	2.00NS	-2. 00พธ
7	22.0NS	4.0005	2,00NS	-2.00NS
ਬ	22.0NS	4.00MS	0,00 S	-4.00 mS
y	24.0NS	4.00NS	0.00 5	-2.00NS
10	20.0NS	2.00NS	0.00 S	-4.00mS
11	20.0NS	4.00NS	2.00NS	-2.00MS
12	16.UNS	0.00 S	0.00 S	-4.00NS
13	20.0NS	2.00NS	0.00 S	-4.00NS
14	22.0NS	2.00%5	0.00 5	-4.00NS
15	16.0MS	2.00M5	2.00NS	-2.00NS
16	26.0NS	8.0008	2.00mS	-2.00NS
17	22.0NS	2.00NS	0.00 S	-4.00NS
18	22.0NS	0.00 S	ប.្ហប្	-4.00NS
19	20.0พธ	6.00WS	បំ.បំបំ ន	-4.00NS
2,0.	20.0NS	2.00NS	2.00%	-2,00MS
∠1	26.008	0.00 8	0.00 5	-4.00mS
22	28.0NS	6.00NS	ម.្ហម ន	-2.00 NS
23	24.0NS	4.00NS	0.00 S	-4.00NS
24	20.0MS	N/A	N/A	N/A
25	24.0NS	0.00 S	0.00 S	=4.00m5
26	20.0NS	2.00NS	0.00 5	-4,00mS
27	22.UNS	2.0 UNS	0.00 \$	+4.00NS
Žđ	22.0mS	4.00NS	0.00 ន	-4.0UNS
29	20.008	N/A	N/A	N/A
30	20.0NS	2.00NS	0.00 \$	-4.00mS
3 l	24.UNS	2.00%5	0.00 5	-4.00MS
3.2	30.045	2.00MS	N/A	n/A
33	22.0%5	0.00 5	0.00 S	-4.UUNS
ે ક	54.008	10.UNS	្បុំល្ប ន	-4.00NS
35	18.UMS	0.00 8	0.00 8	=4.00NS

ADDRESS HOLD TIME (TAH) Af 25 C

VCC = 4.50

		INTLIAL		168 HR	1000 HR		2000 HR
SN		DATA		DELTAS	DELTAS		OLLTAS
					\$ · ·		
4		-6.00MS		0.00 8	0.00 S		2.00MS
5	· · · · · · · · · · · · · · · · · · ·	-6.00mS		0.00 5	0.00 S		0.00 5
ь		-4.00NS		0.00 5	្ឋ•∪0∴នៈ		0.00 8
7	•	-4.00NS		0.00 8	0.00 S	*	0.00 S
ੇ ਨੇ		-4.00NS		0.00 S	0.00 S		0.00 S
9		-4.00NS		0.00 S	2.00NS		2.00NS
1.0		-6.00NS		0.00 S	0.00 S		0.00 S
11		-4.0UNS		0.00 8	0.00 S		2.00M5
12		-4.00NS		0.00 8	0.00 S		2.00NS
13		-0.00MS		0.00 5	0.00 S		2.00NS
14		-6.UUNS		0.00 S	0.00 S		0.0បុន
15		-4.00NS	•	0.00 S	0,00 S		4.UUNS
16		-4.00NS		-2.00NS	-2.00NS		2.00MS
17		-4.00NS		-2.00NS	-2.00NS		-2.00NS
18		-6.00MS		0.00 8	0.00 S		2.00mS
19		-4.00NS		-2.00NS	-2.00NS		0.00 S
20		*4.00NS		0.00 S	0.00 S		2.0008
21		-6.00MS		-2.00NS	0.00 S		0,00 8
. 22		-4.00NS		0.00 5	0.00 S		0.00 S
23	•	-2.00mS		-2.00NS	0.00 5		0.00 \$
24		0,00 S		N/A	N/A		N/A
25		-6.UUNS		-2.00NS	0.00 S		000 \$
26		-4.00NS		0.00 S	0.00 8		2,0008
27	·	-4.00NS		0.00 S	0.00 S		2,0vn5
28		-4.00NS		0.00 S	0,00 S		0.00 5
29		-b.OUNS		N/A	N/A		N/A
30		-4.00NS		-2.00NS	-2.00NS	1.	ប.្ហប្ន
3 1	٠.	-2.00NS		0.00 S	0.00 5		០.០០ ន
32		-4.00NS		0.00 \$	N/A		N/A
33		-0.00NS		0.00 S	0.00 S		0.00 5
34		-0.00NS		0.00 S	0.00 S		2.0005
35		-4.00NS		0.00 S	0.00 5		0.00 S
•							

ADDRESS HOLD TIME (TAH) AT 25 C

	INTLAT	168 HR	1000 HR	2000 HR
SN	DATA	DELTAS	DELTAS	DELTAS
4	-4.00MS	2.00NS	2.00NS	4.00mS
5	-2.00NS	0.00 S	0.00 \$	2.00NS
6	2.00NS	0.00 S	0.00 S	0.00 \$
7	0.00 S	2.00NS	2.00NS	2.00NS
8	0 00 S	0.00 \$	0 00 S	2.00 NS
9	2.00NS	0.00 S	0.00 S	0.00 S
10	-2.00nS	-2.00NS	0.00 S	2.00NS
11	0.00 S	0.00 S	0.00 S	2.00NS
12	-2.00NS	0.00 \$	0.00 S	2.00NS
13	-2.00NS	0.00 \$	0.00 S	2.00NS
14	-2.00NS	0.00 S	0 UO S	2.00NS
15	0.00 S	0.00 \$	0.00 S	2.00NS
16	0.00 5	0.00 S	0.u0 S	2.00NS
17	0 + 00 S	-2.0UNS	-2.00 NS	0.00 S
ŢŖ	-2.00NS	-2.00NS	-2.00NS	2.00NS
19	υ.∂0 S	-2.00NS	0.00 S	2.00 NS
20	0,00 S	0.00 S	0.00 5	2.00NS
21	0.00 S	-2.00NS	0.00 S	0.00 S
22	2.00mS	0.00 8	0.00 \$	0.00 S
23	2.0008	0.00 S	0,00 S	0.00 S
24	4.00NB	w/A	N/A	n/A
25	-2.00as	0.00 S	0.00 S	0.00 ธ
26	0.00 S	0.00 S	0.00 S	2.00NS
27	2.00NS	0.00 S	0.00 S	0.00 S
28	0.00 S	0.00 S	0.00 S	0.00 5
29	-2.00 iv S	N/A	N/A	NZĄ
30	-2.00WS	0.00 8		2.00NS
31	2.00%8	0.00 8	0.00 S	0.00 8
32	0.00 8	0.00 S	N/A	N/A
3.3	-2.00MS	0.00 S	0.00 S	2.00NS
34	-2.00wS	0.00 S	0.00 S	2.00NS
35	0.00 S	0.00 \$	-2.00NS	0.00 S

ADDRESS HOLD TIME (TAH) AT 25 C

vcc = 5.50

					1040 00	រសិព្យា ដូរ្
		LNITIAL	168 H		1000 HR	2000 нR Deltas
SN		DATA	OLLTA	5	DELTAS	DEDIAG
4		2_00NS	V 0.0	S	0.00 S	0.UÜ S
5		2.0008		S	0.00 5	2.00MS
6		6.00MS		S .	0.00 S	0.00 5
7		4.00NS	0.00	S	0.00 5	ប.ប្ប ន័
8		4.00NS	0.00	S	0.00 S	2.00NS
9		6.00NS	0.00	S	0.00 S	2.00NS
10		2.00NS	0.00	S	0.00 S	
11		4.00NS	0.00	S	0.00 5	2.00NS
12		2.00NS	0.00	S	0.00 S	2.00NS
13		2.00NS	0.00	S	0.00 S	2,00NS
14		2.00mS	0.00	S	0.00 \$	2.00MS
15		4.00WS	0.00	S	0.00 \$	0.00 S
16		4.00NS	0.00	ង	0.00 S	2.00%5
1 7		4 . 0 UNS	0.00	S	0.00 \$	0.00 \$
1.6		2.00N5	0.00	S	0.00 S.	2.00NS
19		4.00NS	0.00	5	0.00 S	2.00MP
20		4.00m5	0.00	S	0.00 S	0.00 S
21		4.00NS	0.00	8	0.00 S	2.00NS
22		6.UUNS	0.00		0.00 S	0.00 5
23		6.00MS	0.00	S	0.00 S	បុ∝្លប់ ន
24		8 . UONS	N/A		nl./ A	N/A
25		2.0008	0.00	S	u.0v S	0.00 5
26	, and the second	4.00NS	. ∪ . ∪ . 0 ∪	S	0.00 S	0.00 5
27		6.00NS	0.00	S	0.00 S	0.00 5
28		4.00mS	0.00	S	0.00 S	2.UON5
29		4.00MS	N/A		N/A	N/A
30		2.0งพร	0.00		0.00 5	2.00NS
31		p.00N3	0.00	S	0.00 8	2.00 NS
32		4.0UNS	_	S	N/A	и/А
33		2.00NS	0.00	S	0.00 S	0.00 8
34		2.00NS	0.00	S	0.00 S	2.0005
35		2.00WS	0.00	S	0.00 S	0.00 S

CHIP ENABLE TO WRITE TIME (TWS) AT 25 C

VCC = 4.50

	LALLLAL	168 HK	1000 HR	2000 HR
514	DATA	DELTAS	DELIAS	DELIAS
				<i>-</i>
4	48.045	0.00 S	-4.00NS	2.00NS
5	52.0NS	-2.00NS	-2.00NS	2.00NS
b	46.UNS	10.0NS	4.00NS	4.00NS
T = T	40.0WS	0.00 \$	-2.00NS	2,00mS
Ċ	38.0MS	4.00NS	-2,00NS	6.00NS
9	3๒.0พธ	4.00NS	0.00 S	6.00mS
10	50.0ms	2.00NS	0.00 5	4.00៧៦
1.1	36.UNS	2.00NS	0.00 S	6.00NS
12	44.UNS	6.00NS	-2.00NS	6.00NS
13	42.0NS	-2.00NS	-2.00NS	0.00 5
14	50.0NS	2.00NS	-2.00NS	4.00NS
15	40.0mS	0.00 S	-2.00NS	2.00NS
16	44.0NS	2.00NS	0.00 S	6.00mS
1.7	50.0NS	2.00NS	0.00 S	4.UUNS
1 ថ	50.0mS	6.00NS	2.00NS	4.00NS
19	50.0NS	0.00 \$	-2.00NS	0.00 5
20	42.0AS	-2.00NS	-2.00NS	0.00 S
21	58.0NS	4.00NS	-4.00NS	0.00 S
22	40.0mS	2.00NS	0.00 S	8.00NS
23	38,0NS	2.00NS	2.00NS	4.00NS
24	34.0NS	N/A	N/A	A N in
25	58.0NS	2.00NS	-4.00NS	0,00 5
26	38. UNS	2.00NS	0.00 5	4.00mS
21	44.UNS	2.00NS	0.00 S	4.00NS
28	44.0NS	2.00NS	U.00 S	4.0085
29	52.0NS	N/A	N/A	N/A
30	44.UNS	4.0UNS	0.00 S	4.00MS
31	38.045	2.00NS	-2.00NS	4.00ms
32	64.UNS	4.0008	N/A	N/A
3.3	50.0NS	Z.00NS	0.00 S	4.00NS
34	48.UNS	0.00 8	-4.00NS	2.00MS
35	44.UNS	2.00MS	-2.00NS	4.00NS
	· -		e e de la companya d	

CHIP ENABLE TO WRITE TIME (TWS) AT 25 C

	TMLLTMT	168 HR	1000 HR	2000 HK
SN	DATA	DELTAS	DELTAS	DELTAS
4	40.UNS	0.00 S	-2.00NS	2.00NS
5	42.UNS	0.00 S	-2,00NS	6.00 08
Ö	40.UMS	4.0UNS	0.00 S	2.00NS
7	34.uns	0.00 S	0.00 S	4.00ms
ម	32.UNS	4.00ms	2.00NS	6.0005
9	32.0NS	0.00 \$	-2.00NS	2.00MS
1.0	44.0NS	-2.00NS	-4.00NS	2.0005
11	32.0NS	2.00NS	0.00 S	2.0008
1.2	40.UNS	0.00 S	-2.00NS	2.0005
13	34.0NS	0.00 S	-2.00NS	2.00NS
14	44.UNS	. 4.00 ks. /	-2.00NS	-2.00NS
15	34.UNS	2.00NS	0.00 S	4.00NS
10	40.0NS	0.00 8	-2.00NS	2.0048
1 7	42.0NS	-2.00NS	-4.00NS	០.០០ ៩
18	40.0ivS	2.00NS	0.00 5	4.00NS
19	40.0NS	2.0005	2. QUNS	6.00%5
20	36.0WS	-2.00NS	-2.00mS	4. UUNS
21	46.0NS	2.00NS	4.00NS	4.00NS
22	34.0NS	4.00MS	2.00mS	2M00.8
23	34.0kb	0.00 5	-2.UONS	2.00MS
24	30.0%	NZA.	N/A	ANM
25	50.0MS	0.00 \$	0.00 S	4.00NS
20	32.005	2.0008	2.00NS	6.0 0៧ស
2.1	34.008	4.00NS	2,00NS	6.00៧ឆ
23	38.0WS	-2.0UNS	-4.0UNS	0.00 5
29	42.UNS	N/A	N/A	N/A
30	38.0Nb	2.00mS	0.00 8	4.00NS
31	32.0NS	2.0UNS	0.00 S	6.00NS
32	54.UNS	2.00NS	N/A	ANA
33	42.UNS	4.00NS	0.00 S	4.00NS
34	40.0NS	2.00NS	0.00 S	2.00MS
35	36.UNS	2.0005	0.00 S	4.00MS
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CHIP ENABLE TO WRITE TIME (TWS) AT 25 C

				· ·	
		TMTLTWP	168 HK	1000 HR	2000 HR
SN		DATA	DELTAS	DELIAS	DELIAS
4		34.UNS	0.00 S	-2.00NS	2.00NS
5		36.0%5	0.00 S	-2.00WS	2,0048
b		34.0WS	2.00NS	-2.00NS	2.0005
7		30.UNS	0.00 \$	-2.00NS	2.00%5
ដ		28.0NS	2.00NS	-2.00NS	2,00NS
9		26.0NS	0.00 S	-2,00NS	2.00NS
10		30.UNS	0.00 S	-2.00NS	4.00NS
11		28.UNS	0.00 S	-2.00NS	2.00MS
12		36.0%5	0.00 S	-2.00NS	2.00NS
13		28.UNS	2.00NS	-2.00NS	2.00NS
14		38.UNS	-4.0UNS	-6.VUNS	2,0005
15		32.0NS	-2.00NS	-4.00NS	0.00 S
16		32.UNS	0.00 S	-2.00NS	2,00NS
17		36.0mS	-2.00NS	-4.UONS	4.00NS
1 년		38.0NS	2.00NS	2.00NS	4.00NS
1,9	in the second of the second	34.0NS	0.00 S	0.00 5	4.0048
20		28.UNS	4.00NS	2.00NS	4.0UNS
21		42 UNS	-2.00NS	-4.00NS	0.00 .5
22		28.UNS	2.00NS	0.00 S	4.00NS
.23		28.0NS	0.00 S	0.00 S	2.00NS
24	. ;	24.0KS	A\N	n/A	N/A
25		42.0NS	0.00 S	-2.00NS	2.00NS
26	•	28.005	0.00 8	-2.0UNS	2.00NS
27		28.UNS	4.00NS	2.00NS	6.00៧ន
28		32.0NS	0.00 S	0.00 S	2.00mS
29		30.005	N/A	N/A	N/A
30		32.UNS	2.0005	0.00 5	4.00NS
3.1		28.0NS	0.00 S	-2.UUNS	2.00NS
32		50.0NS	2.00NS	N/A	M/A
3.3		38.UNS	U.UU S	-2.00NS	2.00ms
34		34.0NS	2.00NS	0.00 S	4,00m5
35		32.0NS	2.00NS	0.00 S	4.00ns

REAU CYCLE TIME (TRC) AT 25 C

VCC = 4.50

SN	INTITAL DATA	168 HK Dellas	1000 HR DELTAS	2000 HR DELIAS
ą	130.NS	0.00 S	0.00 S	-5,00WS
5	155.08	≈5,00NS	0.00 S	0.00 5
6	180.05	U.OU S	0.00 S	0.00 S
\mathcal{I}	140.88	5.00148	0.00 S	0.00 S
ප්	165.05	0.00 S	-5.00NS	-5.00พธ
9	145.NS	0.00 S	-5.00NS	-5.00NS
10	155.48	ប០ប ន	0.UU S	=5.00MS
11	145.NS	0.00 S	-5.00NS	-5.00WS
12	105 เพร	0.00 S	0.00 S	0.00 S
13	155.៧ទំ	0.00 S	0.00 S	-5.00NS
14	160.NS	5.00MS	0.00 S	0.00 5
15	110.NS	0.00 8	0.00 S	⇔5.00mS
10	180.05	5.00NS	5.00AS	0.00 S
1 7	105.48	-5.00NS	0.00 S	-5,00NS
18	155.NS	-5.00NS	-5,00NS	-5.00NS
19	170.mS	5.00NS	0,00 S	0.00 3
2 U	140.NS	ប•្ប្ ຮ	0.00 S	-5.00NS
21 (1)	195.NS	0.00 5	U,00 S	0.00 \$
22	175.พธ	5.00NS	0.00 S	U.OU S
23	145.NS	ບ. ບບ ຮ	-5.00NS	0.00 S
24	125.NS	N/A	N/A	N/A
25	170.45	-5.00NS	0.00 8	-5.00mS
26	140.45	0.00 8	0.00 S	0.00 S
27	150.08	0.00 8	0.00 S	0.00 S
28	105.05	0.00 S	0.00 S	0.00 S
29	160.NS	N/A	n/A	N/A
3 Ü	145.NS	ប.ប្ប ន	0.00 S	0.00 S
31	145.68	0.00 \$	0,06 S	=5.00NS
32	205.NS	10.0NS	N/A	N/A
3.3	165.48	0.00 S	0.00 S	-5.00NB
34	150.48	0.00 8	ប.្ប∪ ន	0.0៤ ន
35	115.NS	0.00 8	0.00 \$	0.00 8

READ CYCLE TIME (IRC) AT 25 C

vcc = 5.00

		INITIAL	168 HR	1000 អន់	2000 HR
SN		DATA	DELTAS	OELTAS	OLLTAS
4		115.NS	0.00 8	0.00 S	-5.00NS
5		130.NS	0.00 8	0,00 S	0.00 5
b		140.NS	5.00NS	5.00NS	0.00 S
7		120.NS	5.00NS	0.00 S	0,00 8
ន		130.NS	0.00 S	0.0u S	-5.00NS
9		120 ans	5.00NS	v.0∪ S	0.00 S
1 U		125.NS	5.0UNS	0.00 5	0.00 S
11	•	115.NS	5.00NS	0.00 S	0.00 8
12		100.NS	0.00 S	0,00 S	0.0U S
13	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	125.NS	0.00 S	0,00 5	0.00 S
14		135.48	0.00 5	0.00 S	0.0v S
15		100 NS	0.00 S	0.00 S	0.00 S
10		145.05	0.00 5	-5.00NS	+5.00NS
17	100	135.WS	0.00 S	0.00 5	-5. 0∪⋈&
16	•	130.45	0.00 S	-5.00NS	-5.00mS
19		14U.NS	0.00 \$	0.00 S	-5.00 MS
20		115.NS	0.00 \$	0.00 S	0.0v S
21		160-115	0.00 S	0.00 S	0.00 ಕ
22	•	145.85	0.00 S	0.00 S	-5.00NS
23		125.NS	0.00 S	0.00 S	-5.00MS
24		110.NS	N/A	N/A	N/A
25		145.NS	0.00 8	+5.00NS	-5.00N3
26		115.MS	5.0UNS	0.00 S	0.00 ន
27		130.48	0.00 \$	#5.00MS	-5.00NS
28		135.NS	0.00 5	0.00 S	-5.00NS
29		135.86	AVA	W/A	N/A
30		120.∿5	0.00 S	0.00 \$	0.00 \$
3 1		120.48	5.00NS	0.00 8	០.០០ ន
32		105.NS	20.0NS	N/A	N/A
33		135.85	0.00 8	0.00 S	0.00 S
34		125.NS	0.00 \$	0.00 S	-5.00NS
35		105.NS	0.00 S	0.00 S	0.0u S

READ CYCLE TIME (TRC) AT 25 C

	LHIIIAL	ios hR	1000 HR	2000 HR
SN	DATA	DELTAS	DELTAS	DELIAS
4	105.88	n no e	0.00 S	0.00 ธ
5	115.MS	0.00 S 0.00 S	0.00 S	0.00 ສ
				•
ნ 7	125.NS	0.00 S	0.00 5	-5.00mS
- · · · · · · · · · · · · · · · · · · ·	110.NS	5.00NS	0.00 5	6,00 S
ម	115.WS	0.00 S	-5.00NS	-5.00mS
9	110.NS	5.00WS	0.00 S	0.00 5
10	115.NS	0.00 S	0.00 S	0.00 S
11	105.08	0.00 S	0.00 S	0.00 8
12	100.05	0.00 s	0.00 S	0.00 S
13	110.NS	5.00WS	0.00 S	0.00 S
14	120.115	0.00 8	0.00 S	0.00 \$
15	100.MS	0.00 8	0.00 S	0.00 8
16	125,45	0.00 \$	0.00 S	-5.00mS
17	120.88	0.00 S	0.00 S	ប.្ហប ន
1 ន	115.NS	0.00 S	0.00 S	0.00 S
1.8	120.NS	5.00NS	0.00 8	0.00 S
50	105.NS	0.00 S	0.00 S	· 0,0 , 0 0 . ∆
21	145.NS	0.00 S	0,00 S	-5. 00NS
22	130.NS	0.00 5	0.00 8	-5.00WS
23	110.05	5.00NS	0.00 S	០.០០ ន
24	100.WS	N/A	N/A	Iv/A
25	130.05	0.00 S	0.00 S	-5.00NS
26	105.NS	0.00 S	0.00 S	0.00 8
27	115.NS	0.00 S	0.00 S	0.00 5
28	115.NS	5.00NS	0.00 S	0.00 ន
29	120.45	A/A	AVA	N/A
30	110.NS	0.00 S	0.00 S	0.00 S
3 į	110.08	5.00#8	0,00 S	0.00 5
32	160.88	5.00mS	NZA	N/A
3 3	120.05	5.0008	0.00 8	0.00 \$
34	115.88	0.00 8	0.00 8	-5.00NS
35	100.88	0.00 ន	0.00 5	0.00 S

WRITE CYCLE TIME (TWC) AT 25 C

v	C	C	=	4 -	50
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			The second secon	
	LNITIAL	1០៩ អ៊ីដ	1000 HR	2000 HR
รัฟ	UATA	DELTAS	DELIAS	DELTAS
4	80.042	0.00 S	0.00 S	0.00 S
5	88.048	4.00NS	0.00 S	-8.00NS
٥	100.NS	21.UNS	10 UNS	-4.00MS
. 7.	80.005	12.0NS	2.00NS	0.00 S
8	00.UNS	18.0NS	2.00NS	-2.00NS
9	32.UNS	14. UNS	0.00 5	-2.00MS
10	ชช . 0พธ	6.00NS	0.00 S	-8.00NS
11	80.0NS	10, UNS	0.00 S	ប.្ហប ន
12	80.0NS	0.00 S	0.00 5	0.00 \$
13	80.0MS	14 - UNS	4.00 NS	០.០១ ន
14	92.UNS	4.00NS	0.00 S	- 4,00MS
15	80.0MS	0.00 S	0.00 S	U#00 S
16	100.48	23.0NS	2.00MS	-2.00NS
17	90.0MS	2.00mS	-4.UUNS	-6.0UNS
1 ៩	88.UnS	6.0UNS	2.UUNS	-2.00NS
19	104.45	14.005	-4.0UNS	-6.00NS
20	ช0.0พธ	6.00NS	0.00 5	0.00 S
21	96.UNS	12.UNS	6.00NS	2.00NS
22	98.0NS	16.UNS	-2.00WS	-2.00MS
23	82.0NS	18.0 NS	o.UUNS	-2.00NS
24	80.0NS	N/A	n/A	N/A
25	92.0NS	8,0008	4.UUNS	-2.00NS
26	ខ្ ហែល ប្រទេ	6.00mS	0.00 5	0,00 ន
. 27	84.UNS	5.00 NS	0.00 \$	-4.00mS
26	38.UNS	14.0WS	2.00MS	0.00 5
29	90.0NS	N/A	A / A	N/A
30	80.008	4.0008	0.00 5	0.00 \$
3 I	80.0NS	12.008	0.00 5	0.00 S
32	112.NS	21.0m5	A/A	P:/A
33	88.0MS	10.0NS	4.00NS	-4.00NS
34	129.NS	15.UNS	3.00NS	0.00 8
35	80.UNS	0.00 S	0.00 5	0.00 \$
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WRITE CYCLE TIME (TWC) AT 25 C

	INITIAL	168 HK	1000 HR	2000 нк
SIG	DAPA	DELTAS	CELTAS	DELIAS
4	ช0.0พธ	0.00 S	0.00 S	0.00 8
5	80.0mS	0.00 8	0.00 S	0.00 8
Ö	80.0wS	19.0MS	8,00NS	0,00 5
7	BU.UNS	0.00 S	0.00 8	0.00 S
8	80.0NS	0.00 S	0.00 S	0.00 8
9	80.0NS	U.UO S	0.00 S	0.00 S
10	80.0NS	0.00 5	0.00 S	0.00 5
11	80.0MS	0.00 S	0.00 \$	0.00 S
12	80.0NS	0.00 S	0.00 S	0.00 5
1.3	80.0mS	0.00 S	0.00 S	0.00 5
14	80.0NS	2.00NS	0.00 S	0.00 5
15	80 - UNS	0.00 S	0.00 S	0.00 S
16	64.UNS	10.UNS	4.00NS	-4,00NS
17	80.00S	2.00mS	0.00 S	0.00 S
1 8	a0.unS	0.00 S	0.00 S	0.00 S
19	86.0NS	8.00NS	0.00 S	-4.00NS
2 U	80.0NS	0.00 5	0.00 S	0.00 \$
21	ชิฮ.บพธ	2.00MS	0.00 \$	-8.00WS
22	80.0MS	8.00N5	0,00 S	0.00 S
23	du.UNS	0.00 S	0.00 S	0.00 \$
24	80.0NS	N/A	N/A	N/A
25	88.UNS	0.00 S	0.00 S	-8.0UNS
26	80.UNS	0.00 8	0.00 S	0.00 S
27	80.UNS	0.00 5	0.00 5	0.00 3
28	80.0MS	2.0008	0,00 S	0.00 ន
29	មីប.ប ស់ន	N/A	N/A	N/A
30	SU.UND	0.00 S	0.00 S	0.00 S
3.1	80.0MS	0.0V S	0.00 S	0.00 8
32	96.UNS	ธ. ง∪พธ	n/A	A \vi
33	80.UNS	0.00 S	0.00 S	0.00 8
34	112.NS	10.0NS		-4.00 NS
35	80.0%3	0.00 8	0.00 S	0.00 S

WRITE CYCLE PIME (TWC) AT 25 C

vcc = 5.50

នព		DATA TNTITAP	168 HR DELTAS	1000 HR DELTAS	2000 HR DELIAS
4		80 - UNS	0.00 S	0.00 S	0.00 S
5		80.0NS	0.00 8	· ·	0.00 ຮ
		ชุบบพธ	0.00 S	0.00 5	0.00 5
7		ម 0. 0 ខែ	U.UU S	0.00 S	0,00 S
8		80ប្រស	0.00 5	0.00 S	0.00 8
9		80.0MS	U.UO S	0.00 8	0.00 5
10.		មហ្គហុន	0.00 S	0.00 S	0.00 S
11		80.0NS	0.00 \$	0.00 \$	0.00 S
1.2		80.0NS	0.00 \$	0.00 S	0.00 \$
13		30.UNS	0.00 S	0.00 \$	0.00 S
14		au.uns	0,00 S	0.00 S	0.00 S
15		80.0mS	0.00 S	U.UU S	0.0v S
10	<i>;</i>	80.0NS	2.00MS	0.00 S	0.00 S
17		80.0MS	0.00 S	0.00 S	0.00 8
18		80.0NS	0.00 S	0.00 S	0.00 8
19		80.0MS	2.0UNS	U.00 S	0.00 S
20		80.0NS	0.00 S	0.00 5	0.00 8
21	•	82.0NS	2.00NS	0.00 5	-2:00NS
22.		80.0WS	2.00NS	0.00 S	0.00 S
23		80.0NS	0.00 S	0.00 5	0.00 8
24		80.0NS	NZA	N/A	N/A
25	•	80.0MS	0.00 S	0.00 5	0.UU S
26		80.UNS	0.00 ន	0.00 S	ប.០០ ន
27		80.0NS	0.00 S	0.00 5	0.00 S
28		สปะปูฟ ิ	0.00 S	0.00 S	0.00 S
29		80.0MS	NZA	N/A	N/A
30		80.00S	0.00 8	0.00 S	0.00 S
31		80.008	0.00 S	0.00 S	U.OU S
32			-6.00MS	N/A	N/A
33		80.0N2	0.00 S	0.00 S	0.00 S
34		104.185	10.0MS	0.00 \$	-4,00NS
35		80.0NS	0.30 8	0.00 S	0.00 S
		•			

CHIP ENABLE PIME (TEN) AT 25 C

vcc = 4.50

		INTITLAL	168 нк	1000 HR	2000 HR
SN	4	DATA	DELTAS	UELTAS	DELTAS
4		26.005	0.00 S	-2.00AS	2.00MS
5		30.0NS	0.00 S	-4.00NS	0.00 S
ь		3U.UNS	2.00WS	Ŭ.UU S	2.00NS
7		20.0NS	0.00 S	-2.00NS	2.0005
8		26.0NS	2. UUNS	0.00 5	2.0UNS
9		20.0NS	0.00 5	-2.00NS	0.00 S
10		28.UNS	2.0UNS	-2.00NS	2.00MS
1.1		24.UNS	2.00NS	-2.00NS	2.00MS
12		24.UNS	0.00 8	-2.00NS	2.0048
13		28.UNS	2.00NS	-2:00NS	2.00NS
14		32.0NS	0.00 S	#2.00NS	2.00NS
15		24.0NS	0.00 S	-2.00NS	2.00NS
16		28.UNS	0.00 S	-2.00NS	2.00105
17		32.0NS	0.00 S	=2.00 h S	0.00 5
16		28.UNS	2.00NS	=2.00NS	2.00%5
19		28.0rS	0.00 \$	-2.00NS	2.0005
20		26.0NS	0.0U S	-2.00MS	2.00mS
21		38.0%5	2.00NS	0.00 S	2.00%5
22		30.UNS	2.00MS	0,00 S	2.00NS
23		26 UNS	2.00WS	-2.00NS	2.00mS
2.4		24.0mS	N/A	A\v.	N/A
25		32.0MS	0.00 S	-2.00NS	0.00 8
26		24.0NS	2.UUNS	0.400 5	2.00NS
21		30.0mS	0.00 8	-2.00NS	0.00 8
28		20.UNS	2.00NS	0.00 S	2700 MS
29		30.0NS	N/A	N/A	N/A
30		26.UNS	2.00WS	-2.0005	2 🕻 0 0 หรื -
1 د		20.UNS	0.00 S	-2.00NS	2.00NS
32		34.UNS	2.00NS	NZA,	N/A
33		30,008	2.00NS	-2.00NS	2.00NS
34		28.0NS	0,00 S	-2.00NS	2.00MS
35		24.UNS	2.00NS	0.00 S	2.00NS

CHIP ENABLE TIME (TEN) AT 25 C

vCC = 5.00

	INTTIAL	168 HK	1000 HR	2000 HR
SN.	DATA	DELTAS	DELIAS	DELTAS
4	22.0NS	0.00 \$	=2.00NS	2.00NS
5	24.0NS	2.00NS	-2.00NS	2.00WS
5	26.00S	v.00 S	-2.00NS	2.00MS
7	22.0MS	2.0005	=2.00NS	2.0 UNS
8	22.0NS	2.00MS	0.00 \$	2.0005
ý	22.0NS	0.00 S	-2.00NS	2.00NS
10	24.0NS	0.00 8	-2,00%5	2.00NS
11	20.0M5	2.00%5	-2.00NS	2.00NS
12	20.0NS	2.00MS	-2.00MS	2.00NS
13	24.0NS	2.00MS	-2.00NS	2.0005
	28.UNS	0.00 S	-2.00NS	2.00NS
1 4 15	20.048	2.00NS	0.00 5	2.00NS
	24.0NS	0.00 B	-2.00mS	2.00NS
1 o 1 7	26.04S	2.00NS	-2.00NS	2.00NS
	24.045	0.00 S	-2.00NS	2.00NS
18 19	24.0%5 24.0%5	0.00 B	-2.00NS	ប.្ប ន
20	22.0NS	0.00 S	-2.00NS	2.00%5
21	32.0WS	2.00NS	0.00 8	2.00%5
	26.UNS	0.00 S	-2.00ns	2.00MS
22 23	22.0NS	2.00N5	0.00 S	2.00NS
	20.00S	N/A	N/A	N/A
24	20.005 20.005	2.00%5	0.00 s	2.00 ms
25	the state of the s	0.00 5	-2.00NS	2,00%5
26	22.0NS	2.00 S	0.00 S	2.00%5
27	24.0NS	2.00MS	0.00 S	2.0005
28	24.0NS	N/A	N/A	N/A
29	24.0NS		0.00 S	2.00ms
30	22.0NS	0.00 S 2.00NS	-2.00NS	2.00%5
31	22.UNS		~2.00NO N/A	N/A
32	28.0NS	2.00NS	-2.00NS	0.00 S
33	26.08	0.00 S		2.00ms
34	24.048	0.00 8	-2.00NS	2.00NS
35	22.UNS	0.00 S	-2.00mS	2 * 0 0 NO

CHIP ENABLE TIME (TEN) AT 25 C

SN	INTITAL DATA	168 HR DELTAS	1000 HR DELTAS	2000 HR DELTAS
DIA	DATA	OFFILMO	DEDINO	DELITAG
4	20.0NS	U.00 S	-2.00NS	2,00NS
5	22.0NS	0.00 S	-2,00NS	2.00NS
6	24.0NS	0.00 8	-2.00NS	0.00 8
. 1	20.0MS	0.00 S	-2.00NS	2.00mS
. 8	20.0NS	0.00 5	-2.00NS	2.0005
9	20.0N5	U.0U S	-2.00NS	2.00NS
10	22.UNS	0.00 8	-2.00NS	2.00NS
11.	18.0NS	2.0 UNS	-2.00NS	2.00NS
12	18.0NS	0.00 8	-2.00NS	2.00MS
13	22.0NS	0.00 8	-2.00NS	2.00NS
14	 24.0NS	0.00 S	-2.00NS	2.00NS
15	 18.បេកភ	2.00NS	-2.00NS	2.00NS
16	 22.0NS	0.00 \$	-2.00MS	0.00 5
17	24.0NS	0.00 S	-2.00NS	2.00NS
18	22.0NS	0.00 S	-2.00NS	2.00NS
. 19	20.0NS	2.00NS	0.00 S	2.00MS
20	20.0RS	0.00 \$	-2.00NS	2.00NS
21.	30.UNS	0.00 S	-2.00NS	2.0005
22	24.0NS	0.00 8	-2.00NS	0.00 \$
23	20.04S	0.00 S	-2.00NS	2 . UUNS
24	18.005	N/A	n/A	N/A
25	24.UNS	v.00 S	-2.00NS	2.00%5
26	18.0NS	2.00NS	U.0∪ S	2.00WS
2.7	22.0NS	0.00 S	-2.00NS	2.00MS
28	22.0MS	0.00 8	-2.00NS	2.00MS
29	22.UNS	N/A	N/A	N/A
30	20.045	0.00 8	-2.00NS	2.00MS
31	20.0 NS	0.00 S	-2VONS	2,00mS
32	 26.UNS	0.00 8	w/A	N/A
33	22.0NS	2.00MS	0.00 5	2.00NB
34	20.0MS	2. UUNS	0.00 S	2.00NB
35	20.0MS	0.00 S	-2,00NS	2.00NS

OUTPUT VULTAGE LOW (VOL) AT 25 C

	LNLILAL	158 HR	1000 HR	2000 HR
SN	DATA	DELTAS	DELTAS	DELTAS
				· .
4	105.MV	10.0nv	TO"OWA	0.00 Y
5	125.MV	10.0MV	10 . Om V	-5.00MV
b	1 4 U = 14 V	15.0MV	10.0MV	0.00 A
7	125.nV	10.UMV	10.0MV	-5.00mV
.8	125.HV	15.0MV	15.0mV	0.00 v
9	105.MV	10.UMV	10.0mV	0.00 4
10	115.4V	15.UMV	15.0MV	0.00 V
11	110.niv	10.UMV	10.0MV	0.00 4
12	Log • ₩ Λ ° °	10.0MV	10.UMV	0.400 V
13	125.MV	10.0mV	15.0MV	0.00 V
14	145.4V	10.UMV	TO.OWA	+5.00mV
15	1 1 U . M V	15.0MV	15.0MV	0.00 v
16	1 25 ∎M¥	10.0MV	LO.OMV	0.00 V
17	130 - MV	15.0mv	15.0MV	0.00 V
18	115.6∀	15.UMV	15.0mV	0.00 V
19	1 20 . MV	10.0MV	10.0MV	0.00 V
20	115.01	IO.UMV	10.0MV	0.00 v
21	170.MV	10.0%	10.0MV	0.00 V
22	125.MV	IO.UMV	10.0MV	0.00 v
23	TTOTAL	15.UMV	15.047	0.00 v
24	110_MV	N/A	ИVА	N/A
25	135.MV	10.0MV	VMU.UI	0.00 √
26	LIU-HV	15.UMV	10.0mV	0.00 V
21	135.MV	10.UMV	10.0MV	-5.00mV
28	130.44	15.0MV	15.UMV	0.00 V
29	120.MV	N/A	n/A	N/A
3.0	115 • ñ v	10.0MV	10.0MV	0.00 V
31	105.AV	10.0Mv	10.0MV	0.00 V
32	150 anv	10.UMV	N/Â	N/A
33	125.MV	15.0MV	15.UmV	0.00 V
34	120.00	10.0MV	10.0MV	0.00 Y
35	110.MV	10.0mv	10.0MV	0.00 V

		43 5 47 47	(VUH1)	4 711	25	/7
111111111111111111111111111111111111111	VULTAGE	H I I _ H	7 W [] H []	2A 1'	70	•
COTEDI	TODAMGE	117011	F & O 11 T 1	77 A		~

				4.00.00	
	LNITIAL		168 HK	1000 HR	2000 HR
SN	DATA		DELTAS	DELTAS	DELTAS
4 5	4.30 V	:	10.0MV	10.0MV	-5.00MV
- 5	4.31 V		10.0WA	15.0MV	-5,00my
7	4.36 V		10.0MV	15.UMV	0.00 V
7	4.38 V		5.00MV	10 = 0 m V	0.00 A
გ.	 4.38 V		10.0mV	5.0UMV	-5.00MV
9	4.39 V		5 • 0 0 m V	5.00MV	-5,0UMV
10	**38 A		5 • U U M V	10 UMV	0.00 V
11	4*38 A		10.0mV	10.0MV	0.00 V
12	4.38 √		5.00MV	10 = 0 M V	-5 -00M√
13	 4.38 V		10.0mv	10.0MV	0.00 V
14	4.36 V		5.00MV	5.00MV	=5.00e(V
15	4.30 V		5. OUMV	5.00mV	-5.UUMV
1 b	4.38 V		IU.UMV	10.0MV	÷5.0∪aV
17	4.30 V		0.00 V	5.00MV	+5 ,00M√
10	4.37 V		10.0mV	10.0MV	-5.UUMV
19	4.38 V		5.00mV	5.00MV	-5.00mV
20	4.38 v		10.0MV	10.0inV	-5.00MV
21	4.34 V		10.0MV	10.0mV	0.00 V
22	4.3/ V		10.0MV	10,0MV	-5.00MV
23	4 . 38 V		LU.UMV	10.0MV	0.00 v
24	4.39 V		N/A	N/A	N/A
25	4.3b V		10.UMV	10.0mv	-5.UUMV
26	4.39 V		5.00mv	5.00MV	÷5.,00m√
27	4.38 v		10.UMY	10.0Mv	0.00 v
26	4.38 V		5.00MV	5.00MV	-5.00mV
29	4.37 V		N/A	N/A	N/A
30	4.30 V		5.00MV	5.00MV	-10.0MV
31	1.39 v		LO.Omv	10.0MV	0.00 V
32	 4.35 V		5.00MV	N/A	N/A
33	٧ تاك. <u>۴</u>		0.00 V	5.00MV	5.00mV
34 54	4.38 V		10.004	5.00MV	0.00 V
35	4.38 V		5.UUMV	5.00MV	-5.00MV
~ ~			-	•	=

DUTPUT VOLTAGE HIGH (VOH2) AT 25 C

		LNITIAL	4 168 hR	1000 HR	2000 HR
SN		DATA	DELIAS	DELTAS	DELFAS
. 4		4.89 V	5.00mV	5.00MV	-5.00mv
4 5		4.88 V	10.0mv	10.UMV	-5.00M√
Ġ		4.88 V	5.00MV	10.0MV	0.400 V
7		4.88 V	5.0UMV	5.00MV	-5.00MV
8		4.88 V	5.00mV	5.00MV	-5,00mv
9		4.89 V	10.0MV	1J.UmV	-5.00MV
10		4.88 V	10.0MV	15.0mV	5.00MV
11		4.88 V	10.0MV	10.0My	0.00 V
12		4.88 /	5.00MV	10.0MV	-5.00MV
13		4.88 V	10.0MV	5.00MV	0.00 V
14		4.do V	TO.OMV	10-0MV	0.00 v
15		4.88 V	5.00MV	5.00mV	-10.0MV
1 ö		4.88 ¥	15.0MV	15.UMV	0.UU V
17		4.87 V	5.00017	10.0MV	=5.00mV
18		4.88 V	5.00MV	5.00MV	-5,00MV
19		4.88 V	10.0MV	10.0MV	0.00 4
20		4.89 V	5 . 0 0 MV	5.00MV	-10.0av
21		4.80 V	5.00MV	10.08V	-5.00mV
22		4.88 V	5.00mV	10.UMV	=5.00mv
23		4.89 V	5.00MV	VMU.OI	-10.0mv
24		4.88 √	iv/A	n/A	N/A
25		4.80 Y	5.00mV	10.0mv	0.00 V
20		4.89 V	10.UMV	5.00MV	0.00 V
27		4.88 V	10.0MV	10.0MV	-5.00MV
28	•	4.88 V	10.000	10.UMV	0.00 V
29		4.88 V	N/A	N/A	N/A
30		4.88 V	5.00mv.	10.UMV	=5 . U∪nV
31		4.88 V	10.0mv	15.0MV	0.0U V
32		4.80 V	5.00mV	N/A	N/A
33		4.87 V	0.00 v	5.00mV	5.00MV
34		4 * q p A	5.00MV	5.00MV	=5.00m√
35		4.68 V	10.UMV	5.00mv	-5.00MV
				· ·	

AVERAGE INPUT DOW CURRENT (IIL) AT 25 C

SW DATA DELFAS DELFAS DELFAS 1 -2.31NA 1.23NA 1.35NA 2.90NA 5 -3.04NA 1.23NA 1.40NA -2.02NA 6 -1.00NA 1.23NA 1.40NA -2.02NA 7 -1.05NA 1.58NA 1.00NA 992.PA 8 -615.PA 1.58NA 1.00NA -2.95NA 9 -2.54NA 923.PA 1.15NA -296.PA 10 -1.54NA 1.12NA 1.38NA -1.52NA 11 -769.PA 1.00NA 1.23NA -1.52NA 11 -769.PA 1.00NA 1.27NA -1.02NA 12 -1.23NA 1.08NA 1.27NA -1.02NA 13 -885.PA 1.0NA 1.25NA 1.25NA 15 -1.19NA 885.PA 1.12NA -2.5ANA 15 -1.19NA 885.PA 1.15NA -2.56NA 16 -402.PA 923.PA 1.15NA -2.56NA		INTITAL	168 HR	1000 HR	2000 HR
5	Siv	DATA	DELTAS	OLLTAS	DELTAS
5	4	-2.31NA	1.23NA	1.35NA	2.96NA
6 -1.00NA 1.23NA 1.27NA 3.60NA 7 -1.05NA 1.15NA 1.65NA 992.PA 8 -615.PA 1.58NA 1.00NA -2.95NA 9 -2.54NA 923.PA 1.15NA -296.PA 10 -1.54NA 1.12NA 1.38NA -1.52NA 11 -769.PA 1.00NA 1.00NA 212.PA 12 -1.23NA 1.08NA 1.27NA -1.02NA 13 -885.PA 923.PA 1.08NA 1.25NA 14 -962.PA 1.15NA 1.23NA 1.25NA 15 -1.19NA 885.PA 1.12NA -2.64NA 15 -1.19NA 885.PA 1.12NA -2.68NA 16 -462.PA 808.PA 1.00NA -2.68NA 17 -846.PA 923.PA 1.15NA -2.50NA 18 -1.05NA 1.23NA 1.27NA -2.68NA 19 -538.PA 709.PA 885.PA 2.84NA 20 -092.PA 1.15NA 1.27NA -2.50NA	5	-3.04NA	the state of the s	1.46NA	
7 -1.05NA 1.15WA 1.05NA 992.PA 8 -615.PA 1.58NA 1.00MA -2.95NA 9 -2.54WA 923.PA 1.15NA -296.PA 10 -1.54NA 1.12WA 1.38NA -1.52WA 11 -769.PA 1.00NA 1.20NA 212.PA 12 -1.23NA 1.08NA 1.27NA -1.02NA 13 -885.PA 923.PA 1.08NA 3.08NA 14 -962.PA 1.15NA 1.23NA 1.25NA 15 -1.19NA 885.PA 1.12NA -2.64NA 15 -1.19NA 885.PA 1.15NA -2.60NA 16 -462.PA 923.PA 1.15NA -2.60NA 17 -640.PA 923.PA 1.15NA -2.60NA 18 -1.05NA 1.23NA 1.28NA -2.37NA 19 -538.PA 709.PA 885.PA 2.84NA 20 -092.PA 1.15NA 1.27NA -2.50NA 21 -840.PA 1.08NA 1.19NA -1.32NA	Ó	-i.ùUnA			
8	7	-1.05NA	1.15NA		992.PA
9		-615.PA			-2.95NA
10	9	-2.54WA			
11	10	-1.54nA	1.12NA	1.38NA	
12					
13	12	-1.23NA			
14			the state of the s		
15		-962.PA			*
16				The second secon	The state of the s
17		• •			• *
18 -1.05NA 1.23NA 1.38NA -2.37NA 19 -538.PA 709.PA 885.PA 2.84NA 20 -092.PA 1.15NA 1.27NA -2.50MA 21 -840.PA 1.08NA 1.19NA -1.32NA 22 -2.77NA 685.PA 1.27NA -2.01MA 23 -2.35MA 1.23NA 709.PA -2.42NA 24 -57/.PA M/A N/A N/A 25 -1.12MA 1.27NA -2.5dNA 26 -008.PA 1.04NA 1.27NA -2.5dNA 27 -731.PA 1.04NA 1.15NA -2.6dNA 27 -731.PA 1.00NA 962.PA -2.23NA 29 -2.04NA N/A N/A N/A 30 -2.04NA N/A 1.42NA 2.23NA 31 -2.17NA 1.19NA 1.23NA -1.52NA 32 -1.00NA 1.08NA N/A N/A 33 -1.50NA 1.08NA 1.19NA -1.41NA -2.48NA <td>17</td> <td>-840.PA</td> <td></td> <td></td> <td></td>	17	-840.PA			
19					
20	19			The state of the s	
21					
22 -2.77NA 885.PA 1.27NA -2.01NA 23 +2.35MA 1.23NA 709.PA -2.42NA 24 -57/.PA N/A N/A N/A 25 -1.12NA 1.12NA 1.27NA -2.5dNA 26 -008.PA 1.04NA 1.15WA -2.6dNA 27 -731.PA 1.00NA 962.PA -2.94NA 28 -808.PA 1.00NA 962.PA -2.23NA 29 -2.04NA N/A N/A N/A 30 -2.00NA 1.42NA 1.42NA 2.23NA 31 -2.17NA 1.19NA 1.23MA +1.52NA 32 -1.00NA 1.08NA N/A N/A 33 -1.50NA 1.08NA 1.19NA -1.41NA 34 -2.04NA 1.15NA 1.38NA -2.48NA				•	
23					
24					
25 -1.12MA	.24	-571.PA	N/A	W/A	·
20			1.12NA	1.27NA	and the second s
27 -731.PA 1.00NA 962.PA -2.94NA 28 -808.PA 1.00NA 885.PA -2.23NA 29 -2.04NA N/A N/A N/A 30 -2.00NA 1.42NA 1.42NA 2.23NA 31 -2./7NA 1.19NA 1.23NA +1.52NA 32 -1.00NA 1.08NA N/A N/A 33 -1.50NA 1.08NA 1.19NA -1.41NA 34 -2.04NA 1.15NA 1.38NA -2.48NA		-608.PA	1.04NA	1.15 m A	· · · · · · · · · · · · · · · · · · ·
28	27	-131.FA	1.00NA		
29 -2.04NA N/A N/A N/A 30 -2.00NA 1.42NA 1.42NA 2.23NA 31 -2./7NA 1.19NA 1.23NA +1.52NA 32 -1.00NA 1.08NA N/A N/A 33 -1.50NA 1.08NA 1.19NA -1.41NA 34 -2.04NA 1.15NA 1.38NA -2.48NA	28	-808.PA			
30	29	-2.04NA	N/A		
31 -2./7MA 1.19MA 1.23MA -1.52MA 32 -1.00MA 1.08MA N/A N/A 33 -1.50MA 1.08MA 1.19MA -1.41MA 34 -2.04MA 1.15MA 1.38MA -2.48MA	30			1 - 4 2 N A	2.23 NA
32 -1.00MA 1.08NA N/A N/A 33 -1.50MA 1.08NA 1.19NA -1.41NA 34 -2.04MA 1.15NA 1.38NA -2.48NA	31	-2.17NA			
33 -1.50NA 1.08NA 1.19NA -1.41NA 34 -2.48NA 1.15NA 1.38NA -2.48NA					
34 -2.04NA 1.15NA 1.38NA -2.48NA			· ·		
	35	-1.40NA	1.19WA	1.38NA	

WURST CASE IMPUT LUW CURRENT (111) AT 25 C

	1.4141.5	1 - 4 - 6 ()	1000 HR	.2000 HR
	LNITIAL	lod HR	DELTAS	DELTAS
SW	DATA	DELTAS	DCHIAG	DRETHU
4	-3.00NA	1.00NA	1.00NA	4.75NA
5	-4.00NA	1.50NA	1.50WA	-2.30WA
6	-1.50NA	2.00NA	2.UONA	4.00NA
7	-2.00mA	500.PA	2.00NA	-550.PA
Ŗ	#1.50NA	9.00MA	2.50NA	-2.50NA
9	-3.50 NA	1.00NA	1.50NA	-2.05BA
ĺΰ	+2.00MA	1.00NA	1.00NA	-2.75NA
11	-1.50WA	2.00NA	2.50NA	-2.25NA
12	-2.00NA	1.50NA	1,00mA	-1.40NA
13	-2.00NA	2.50NA	2.50NA	4.60NA
14	-2.00NA	2.5UNA	3.00WA	3.60NA
15	-2.00NA	1.00NA	1.00NA	-2.45NA
10	= 1 . 0 0 N A	2.00NA	2.UONA	-2.65MA
17	-1.50NA	2 . U U iv A	2.5UNA	-2.bUNA
13	-2.00NA	1.UUNA	1.00NA	-2.7UNA
19	-1.5UNA	2.50NA	2.50NA	4.70NA
20	-1.50NA	3.00NA	2.50NA	-2.35NA
21	-1.50MA	2.0UNA	2.50NA	-1.55NA
22	-3.50NA	1.00NA	1.00NA	-2.25NA
23	ANUÜ. 8=	U. UU A	-7.50NA	-0.7UNA
24	-1.UUNA	N/A	WZA	N/A
25	-1.50NA	2 . U U N A	2.00NA	-2.95NA
26	-2.00NA	2.5UNA	3.50NA	-2.15NA
27	-1.00NA	2.00NA	2.00NA	-3.00MA
28	-1.50mA	2.00mA	500.PA	-2.65NA
29	-2.50NA	N/A	N/A	: N/A
30	-2.5UNA	1.00WA	1.50NA	4.55NA
3.1	Avud.o=	2.00NA	2.00NA	-200.PA
32	-1.50WA	2.00mA	NZA	N/A
33	-2.UUNA	1.00mA	1.00mA	-2.90MA
34	ANUU. E-	1.50MA	1.50 NA	-1.85NA
3.5	-2.00NA	1.00NA	1.00nA	-2.75NA
			•	

AVERAGE IMPUT HIGH CURRENT (IIH) AT 25 C

	T 1 1 F.A.1	1 = 1 1113	1000 HR	2000 HR
SN	INTITAL	100 HR	DELTAS	DELTAS
្រាប	DATA	DELTAS	กราเพว	ORILAG
4	2.42NA	AMBC. L	1.08mA	927, PA
5	3.12NA	1.50 MA	1.00NA	269.PA
Ċ.	962.PA	1.42NA	1.00NA	658.PA
7	1.73NA	4.90NA	885.PA	o19.PA
ď	169.PA	1.50NA	-1.31NA	758.PA
9 .	2.27NA	Z.UONA	1.62NA	1.01NA
10	1.58NA	2.00NA	1.12mA	888.PA
11	808.PA	1.38NA	1.2/NA	915.PA
12	1.198A	1.69mA	1.31NA	504.PA
13	885.PA	1.5UNA	1.31NA	869.PA
14	1.12NA	1.58NA	1.23NA	204.PA
15	1.19NA	1.81NA	1.23 NA	800.PA
16	500.PA	1.77NA	1.5UNA	938.PA
17	1.00NA	1.5UNA	1.23NA	715.PA
1.6	1.65 NA	1.46NA	1.08NA	442.PA
19	169.FA	1.05NA	1.15NA	977. PA
20	692.PA	1.42NA	962.PA	82/.PA
21	885.PA	1.2/NA	1.23NA	162.PA
22	2.77MA	1.81NA	1.35NA	785.PA
23	14.3NA	2.15NA	2.044A	-958.PA
24	769.FA	N/A	A/A	N/A
25	1.3dMA	1.40NA	1.04NA	631.PA
20	1.UUNA	1.09NA	1.27@A	592.PA
47	047.5V	1.65NA	1 . 35 MA	954.PA
28	846.PA	1.85WA	1.12NA	919.PA
29	2.31NA	n/A	n/A	N/A
30	1.//NA	1.50NA	1.42NA	854.PA
<u>3</u> 1	2.31NA	1.85NA	1.190A	709.PA
32	1.15NA	1.73NA	A\n	N/A
33	1.62NA	1.73NA	1.35NA	800.PA
ታ 4	2.19NA	1.69NA	1,23NA	042.PA
35	1.42NA	1.05WA	1.UONA	705.PA

WILLST	CASE	TaPHT	нІСн	CURRENT	(TLB)	ΑТ	25	C
17 WING 4	~~~~	TILL O Y	44	C C 1 - 2 + 2 + 2				_

	514		INITIAL DATA	168 HR Deltas	1000 HR Deltas	2000 HK DELTAS
	4		3.5UNA	1.50NA	1 . 00 N A	3.30WA
	5 5		4.00NA	1.00NA	1.UUmA	3.15mA
·	ö		2.00NA	1.OUNA	500.PA	2.85NA
,	7		2.5UNA	41.00A	1.00NA	2.90NA
	b b		1.5UNA	1.50NA	1.00WA	3.30NA
	y		3.00NA	2.00NA	1.50NA	3.55NA
	ĹŰ		2.00NA	2.50NA	1.50NA	3.85 NA
	1		1.5UNA	1.50NA	1.50NA	3.35NA
	2		2.00NA	1.50NA	1.00NA	2.85NA
	13		1.5UNA	1.5UNA	1.50NA	3.45NA
	4		2.UUWA	1.50NA	1.00NA	3,15NA
	l 5		2.00MA	1.50NA	1.50NA	3.75 NA
	Lo		1.5UNA	1.5UNA	AVIOU.1	3.1UNA
	1.7		2.UUNA	1.50NA	1.0UNA	3,55NA
	ا ا	• •	2.50MA	1.50 mA	1.00NA	3.25 NA
	<u>9</u>		1.50 mA	1.5UNA	1.00NA	3.6UNA
	20		1.5UNA	1.50NA	1.50NA	3.55NA
	21		1.50WA-	1.50NA	1.00NA	ANUÉ.E
•	42		3.5UWA	2.00MA	1.5UNA	3.95NA
	23		166.NA	9.00mA	9.00NA	-23.5NA
	3 4		1.50mA	N/A	A/A	N/A
	25	•	2.0UNA	1.50NA	1. OunA	3.75NA
	26 °		1.50WA	2 . U U N A	1.50NA	3 . 7 UNA
	٤7		1.50MA	2.00WA	I.50NA	Ance. E
	88		1.50NA	4.00MA	A NO NA	AviQ8.E
	29		3,00NA	NZA	N/A	N/A
	30		2.50NA	1.50WA	1.50NA	3.65MA
	i i		3.50NA	1.50mA	AMOO.1	2.95WA
	32		2.00mA	1 . 5 U N A	N/A	N/A .
	3 3		ANDO.S	2.00NA	1.50NA	3.95NA
	34		3.00mA	1 . 5 Û N A	1 - 0 0 N A	3.5una
	35		Z.UUNA	1.50NA	1 . OONA	3.65MA

SUPPLY CURRENT (ICC160) AT 25 C

		INTTIAL	1ов нк	1000 HR	2000 HR
5N		DATA	OEL TAS	DELITAS	DELTAS
4		25.5UA	900.NA	-150.NA	-250.NA
5		3.48UA	1.12UA	-235,NA	-215.NA
6		27.1UA	-5.20UA	-10.4UA	-10.JUA
7		2.28UA	845.NA	-20U.NA	-240.NA
ġ		41.0UA	-7.55UA	-25.3UA	-27,0UA
ý		4.80UA	2.33UA	1.26UA	1.54UA
10		2.07UA	3.01UA	-635.NA	490.NA
11	• • •	1.12UA	795.NA	-100.NA	-193.NA
12		1.990A	910.NA	-310.NA	-295.NA
ï 3		1.18UA	950 NA	-25.0NA	-10U.NA
14		822.NA	1.09UA	115.NA	5.33UA
15		2.520A	AM. 086	-95.0NA	-240 NA
16		OLO.NA	819 - NA	-16.5NA	-37. UNA
17		542.NA	893.NA	10.UNA	29.UNA
18		1.20UA	1.04UA	-45 ONA	-50.UHA
Τä		053.NA	827.NA	-49.UNA	-44.5NA
20		013.NA	902.NA	-70.0NA	-74.5NA
21		684.NA	831.na	-67.UNA	-07.5MA
22	•	2.26UA	1,21uA	-140.NA	-230 . NA
2.3		4 - 1 2UA	1.25UA	125.NA	-90.0NA
24		951.NA	14 / A	N/A	N/A
25		4.77UA	485.WA	-685.NA	-985 NA
Z 🖰		1.16UA	830.NA	-130.NA	-130.NA
۷1		4.5AAA	5/5.NA	-680.NA	-450 NA
28		1.11UA	905.NA	-116.NA	-100 - NA
29		471.UA	[4/A	N/A	N/A
3 U		12.0UA	AM.028	750+4A	900.NA
1 ك		2.35UA	995.NA	-155.NA	-140 NA
32		464.NA	1.24UA	N/A	N/A
33		5.72UA	1.08UA	450.NA	9.8RNV
34		150.UA	-6.UUUA	-7.50UA	6.00UA
35		1.99UA	775.NA	-300.NA	-255 . NA

SUPPLY CURRENT (1CC1B1) AT 25 C

SN		IMITIAL DATA	168 HR DELTAS	1000 HR DELTAS	2000 HR DELTAS
А	1.	1 (111 112	4000.E	1,5UUA	-500.NA
4 5		100.UA .	510.NA	-275.NA	-245.NA
		4.49UA	=57.7UA	=12.6UA	=70.3UA
b		99.1UA	-6,30UA	-17.6UA	-23.1UA
7		43.1UA	-6.05UA	=24,50A	=26,8UA
8		41.0UA		-2.UOUA	-8.00UA
9		21.3UA	1.10UA	-54U.NA	475 NA
10		2./8UA	2.50UA		=165.NA
11	27 - 27	1,35UA	370.NA	-45.0NA	1.62UA
12		6.75UA	2.04UA	1.3oUA	_
13		1.05UA	375.NA	50.0NA	=50.0MA
14		1.41UA	240 . NA	-115.NA	-120.NA
15		2.80UA	660 + NA	295.NA	180.NA
16		004.NA	346.NA	32.5NA	4,50NA
1.7	•	592.NA	413 . NA	72.0NA	109.NA
1 ឋ].49UA	420.NA	-45.0NA	-50.UNA
19		640.NA	380 NA	-29.0NA	-30.5NA
20		622.NA	AM. EEE	=14.0NA	-28.0NA
21		189.NA	326.NA	7.50NA	6.0UNA
- 22	4.	L. 9ouA	440 NA	An0.08-	-160.NA
23		14.1UA	AM.008	-900.NA	=650.NA
24	* 44	15.5UA	A Vis	iv/A	N/A
25		17.UUA	3.U5UA	-1.900A	-100.NA
26	•	1.55UA	450 . NA	75.UNA	ANU#08
27	•	4.31UA	-155.NA	-645.NA	-415.NA
23		1.11UA	405 . NA	-20.0NA	-40.UNA
29		470.UA	N/A	N/A	N/A
30	*.	in.3UA	0.00 A	1.85UA	2.25UA
31		23.4UA	-1.05UA	-3.85UA	650 , ⊪A
32		478.NA	672.WA	N/A	n/A
33		AMEU. I	480.UA	380.UA	410.UA
34		169.UA	-6.00UA	-8.50UA	6.UUUA
35	<i>:</i>	2.5/UA	490.NA	AMO.06	140.NA

SUPPLY CURRENT (1CC2BO) A1 25 C

		INITIAL	168 HR	1000 HR	2000 HR
SN		DAPA	Deltas	DEL1AS	Dellas
4		25.9UA	1.30UA	-150.NA	-150.NA
- 5		144.UA	25,50A	3.00UA	1.00UA
6		26.9UA	-5.35UA	-10.30A	-9.90UA
- 7-		2.62UA	315.NA	-290.NA	=315 . iv À
႘		42.2UA	-6.200A	-25,8UA	-27.9UA
y		5.26UA	1.31UA	1.55UA	1.83UA
10		2.72UA	2.46UA	-645.NA	470 . NA
11		1.20UA	395.NA	-75.0NA	-180 .NA
1.2		3.93UA	1.23UA	500.NA	695.NA
13		4.92UA	320 . NA	-40.UNA	-235,NA
14		882.NA	394.NA	110.NA	5.31UA
15	* .	3.14UA	780.NA	ANU.08	=115.NA
1,6		702.NA	568.NA	b.5UNA	-28.5NA
17	2	o.9oUA	580.NA	180.AA	95.0NA
ДВ	Ta .	1.21UA	385.NA	-40_UNA	-6U.UNA
15		137 NA	503.NA	-50.UNA	-37.0NA
20		685 . NA	425.NA	-31.5NA	-38.0NA
21	• • •	503.NA	357 . IVA	-7.50NA	-19.5NA
22		391.UA	44,5UA	.79.0UA	125.UA
23		3.00UA	495 . NA	-30.UNA	-145.NA
. 24		1.10UA	N/A	N/A	n/A
25	•	5.74UA	285 . NA	-350.NA	=720 NA
26		1.59UA	500 . NA	-25.UNA	-30.0NA
27		1.9/UA	700.NA	280.NA	360 anA
28		1.28UA	325.NA	-85.0NA	-90 . UNA
29		1.04UA	NZĀ	N/A	N/A
30		o.luuA	100 . NA	900.NA	1.18UA
31		2.63UA	51U.NA	-165.NA	-180.NA
3.2		10.2MA	0.00 A	N/A	N/A
د د		46.8UA	650 = NA	350.NA	4.45UA
34		207.UA	-14,5UA	-13.5UA	6.UUUA
35		2.58UA	525 NA	-120.NA	-65.0NA

SUPPLY CURRENT (I	CC261)	AT	25	C
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		INTTIAL	168 hk	1000 HR	2000 ਰਸ
SN		DATA	DELTAS	DELTAS	DELTAS
4	. * *	99.5DA	3.000A	2.00UA	450 NA
5		144.UA	24.0tiA	3.00UA	500 + NA
6		127.UA	-84.3UA	-101.UA	-105.UA
· 7		51.2UA	-9.60uA	-24.4UA	-30.4UA
8		42.3UA	-7.20UA	-26.1UA	-28.2UA
9		22.8UA	0.00 A	-2.80UA	-9.75ua
1.0		2.49UA	2.48UA	-575.NA	425 . NA
11		923.NA	197.WA	-97.UNA	-174.WA
1.2		2.12UA	75.UNA	-330 NA	-220.NA
13		4.86UA	105.nA	-130,NA	=345.NA
14		1.21UA	140.NA	-110.NA	=115.NA
15		1.87UA	295 NA	-100.NA	-215 . NA
10		484.NA	172.NA	-20.5NA	-38.UNA
17		AU08.a	395.NA	190.NA	110.NA
1.8		1.06UA	210.NA	-45.0NA	-65.0NA
19		494.NA	346.NA	-35.5NA	-47.0MA
20		552.NA	248.NA	-/6.5NA	-82.5NA
21		423.NA	178 . NA	-43.5NA	-43.0NA
22		389.uA	42.5UA	79.0UA	126.UA
۷3		12.4UA	800 - NA	-1.00UA	-600 . NA
24		16.8UA	N/A	N/A	N/A
25		14.4UA	2.40UA	→2.90UA	AM.008-
26		1.200A	140 . NA	-150 NA	=185 . NA
. 27		1.//UA	475 - NA	280.NA	345 NA
28		795.NA	85.5NA	-108.NA	-118.HA
29		HM.EE1.	Ν/A	N/A	N/A
- 30		6.74UA	+60 = 0 NA	1.29UA	1.9/UA
31		23.1UA	-1.55UA	-3.95UA	500 NA
32		10.2riA	U∎UU A	N/A	NA
ذ 3		L.U9dA	435.UA	380.UA	420.UA
34		208.UA	+14.00A	-14.0UA	6.50UA
35		I ⊷o5UA	125 - NA	-295.NA	-275 NA

DUTPUT DOW CURRENT (10L) AT 25 C

٠		INTTIAL	168 HR	1000 HR	2000 HR
SN		DAIA	OEL TAS	UELTAS	DELTAS
4		755.NA	14.5mA	-5.5UNA	An 00.8=
5	***	74.5MA	-1.00NA	-5.50NA	-5.30NA
Ó		A 10 0 A 8	ANDU.E	1.00NA	3.75NA
- 7		10.UNA	2.50NA	1.50NA	-1.95NA
8		5.50NA	1.50NA	1 = 00 NA	=3.2UNA
9		11.5NA	2.50NA	1.50NA	1.20NA
10		21.5NA	3.50NA	-1.00NA	-700.PA
11		18.5NA	1.00NA	0.00 A	-4.30NA
12		25.5HA	5.50NA	0.00 A	-1.40NA
13	The state of the state of	29.5NA	2.00NA	1.50NA	1.45 NA
14		9.00NA	2.00NA	500.PA	2.65NA
15		A OONA	3.UUNA	3.UUNA	-650.PA
16		5.50NA	1.50NA	1.00NA	-2.95NA
1.7		ANDO.B	3.50NA	3.00NA	1.15NA
18		27.5NA	2.50NA	-1 - 0 0 N A	-3.8UNA
19		5.00NA	2.50NA	2.0UNA	3.60MA
2.0	en e	11.UNA	0.00 A	-500.PA	=2.95NA
21		B.OUMA	1.00NA	-500.PA	-1.75NA
. 22		13.UNA	3.OUNA	500.PA	-3.50nA
23		9.00NA	2.5UNA	1.00NA	-1.90NA
24		5.00NA	N/A	N/A	N/A
25		នៃថ ្ បី៧A	-5.00NA	-6.00NA	-13.3mA
46		10.5NA	2.50WA	2.UUNA	-2.10NA
27		5.50NA	2.00NA	1.00NA	-2.85NA
28		8.5UNA	1.50NA	500.PA	-1.50mA
29		12.5NA	n/A	NZA	N/A
30	and the second	314.NA	-13.UNA	39 . ONA	50.5MA
31		11.UNA	2.50NA	1.50NA	-1.20MA
32		/.00NA	2.00NA	N/A	N/A
33		19.5NA	4.50NA	1.50NA	150.PA
34		357.NA	-4.00mA	-17.5NA	=44.0HA
35		12.5NA	2.50NA	1.50NA	-2.50NA

ADDRESS ACCESS TIME (TAA) AT -55 C

	INTLIAL	168 HR DELTAS	1000 HR DELTAS	2000 HR DELTAS
Sil	DATA	DEDIKO	DENTHO	מאגתם
4	125.NS	0.00 S	→ •	-5.00NS
5	185.NS	0.00 8	a ≢ ye	0.00 8
. 6	345.NS	-10.0NS	m2 ***	0.00 S
7	150.NS	5.00NS		-5,00as
8	290.NS	-15.0NS		-20.0NS
ÿ	1/5.NS	0.00 8	= = .	0.00 \$
10.	180.NS	-110.NS	~-	0.00 8
11	205.NS	0.00 S		0.00 S
12	90.0NS	5.00NS	·	0.00 S
13	215.NS	0.00 5		0.00 S
14	235.NS	5.00NS	~ -	0.00 S
15	105.NS	5.00MS	⊕ =	-5.0งผธ
16	315.NS	-15.0NS		-5.00mS
17	215.NS	0.00 S	120 STE	- 5.00N5
18	180 NS	0.00 S	42 #7	0.00 5
19	255.N5	-5.00WS		0.00 8
- /- 20	175.NS	0.00 S		-5.00NS
21	250 NS	-5 ↓00NS		5.0005
22	265.NS	5.0048		0.00 5
23	190 nS	0.0U S	100 to	-10.0MS
24	145.NS	ц/A	= =	N/A
25	175.NS	0.00 \$		0.00 S
20	190.NS	0.00 S		0.00 S
21	195,NS	0.00 8		-5.00MS
28	240.NS	0.00 S		5.00mS
29	190.NS	N/A		NZA
30	150 NS	5.00NS		5.00%
31	160 as	0.00 8		-5.00NS
32	315.NS	1.00KS	4	AZA
33	210.NS	10.0NS	4 10	10.085
34	245 NS	5.00NS	- 	5.00mS
35	100 - NS	5.0008		0.00 8

ADURESS ACCESS TIME (TAA) AT -55 C

SN	INITIAL DATA	168 HR Delias	1000 HR Deltas	2000 HR DELIAS
4	95.UNS	5.00NS	 ₩	0.00 \$
5	130 NS	5.0008		0.00 S
0	185.85	5.0UNS		0.00 5
7	110.08	10.0NS		0.00 5
ક	155.NS	0.00 S		-5.00WS
y	115.NS	10.0mS		0.00 8
10	130,48	0.00 8	. ==	-5.00MS
11	130.NS	5.00mS	10 m =	0.00 8
12	80.0NS	ប.្ហប្	ue 🖘	0.00 S
13	140.NS	0.00 \$		-5.00NS
14	155.NS	5.00NS		0.00 5
15	90.0NS	0.00 S		-5.00NS
10	165.NS	5.0008	= =	-5.00mS
1.7	145.88	0.00 S	#4. **	-5.00NS
18	130.NS	5.00MS	and win	0.00 S
19	155.NS	5.00NS	==	-5.00NS
20	120.NS	5.0UNS	⇔ •	0.00 5
21	175 aS	0.00 S	-	0.00 S
22	155.NS	5.00145	see eter	-5.00NS
23	125.NS	10.0WS	m 100	0.00 S
24	110.WS	A \m	4.7	IV / A
25	135.WS	0.00 5		-5.00m3
26	125.NS	5.0UNS		ប្"បប S
27	135.NS	5 . 0 U N S		=5.00NS
28	150.NS	5.00MS		2 = ០០៧ខ
29	135.AS	NZA		M/A
3 0	115.NS	5.00NS	44 €	0.00 5
31	115.85	5.00mS	·	-5 euu.xS
32	190.NS	25.0NS		N/A
33	14U.WS	25.0NS		15.UNS
국 4	180.NS	5.00NS		0.00 \$
35	ช5.บพธ	5.00พธ	# 	0.00 8

ADDRESS ACCESS TIME (TAA) AT -55 C

C a	TWILITMT	168 nk	1000 HR	2000 HR
Siv	DATA	DELTAS	ÚELTAS	DELTAS
4 5	ช5.งผล	5.00NS	• • • • • • • • • • • • • • • • • • •	0.00 S
5	110.NS	5.00NS	** ** ·	-5,00NS
a	135.NS	10.0NS		0.00 8
7	95.0NS	10.0NS	49.4€	0.00 8
8	115.NS	5.00NS	**	0.00 \$
9	95.0NS	10.0NS		0,00 8
10	105.48	5.00NS		0.00 S
11	105.WS	10.0NS		-5.00NS
12	10.0NS	5.00NS		-5.00NS
13	110.NS	5.00NS		-5.00mS
14	125.NS.	5:00NS		-5.00NS
15	80,0MS	5.00NS		0.00 S
16	125.05	10.UNS		-5.00NS
1 /	115.NS	5.00NS		0.00 S
18	1.05 . NS	10.0NS		0.00 \$
19	120,NS	5.0008		−5. 0∪⋈ລ
20	100.NS	5.0048	- *	0.00 \$
2 1	140.NS	5.00NS	ne 40	0.00 8
33	120.NS	10.UNS		0.00 S
23	105.NS	10.0NS		-5.00MS
2 1	95.UNS	N/A	==	NZA
25	115.NS	5.00NS		0.00 S
26	100.08	10.UNS	-	0.00 S
27	110.WS	5.00NS		ប.្ហប្
28	120.NS	5 . 0 UNS		0.00 S
29	110.NS	N/A		N/A
30	95. บพธิ	5.00NS	wit 472	0.00 5
31	95.005	5.00NS		0.00 8
3 2	105.185	0.00 S		N/A
33	115.NS	20.0NS	**	15.0พธ
34	150.NS	5.00NS		-5.0uns
35	40.0MS	0.00 S	 →	0.00 \$

DATA SETUP TIME (TDS) AT -55 C

SN		INITIAL DATA	168 HR DELIAS	1000 HK DELITAS	2000 HR Delias
4		14.UNS	0.00 S	# =	2.0005
5		16.UNS	2.00NS		4.00AS
ΰ		12.UNS	6.00%5		4.00NS
7		8.00NS	-2.00MS		2.00N5
์ 8		10.UNS	0,00 \$	## *** -	4.00%8
9	and the second	8.00NS	0.00 S	# *	4.00mS
10		16.0NS	0.00 S		4.00หธ
11	engline transport	10.0NS	0.00 S		4.00mS
12		12.UNS	0.00 \$	= =	2,00mS
13	· Para Para Para Para Para Para Para Par	12.UNS	0.00 \$	· ⇒■.	4.00mS
14		16.0NS	0.00 \$		4,00NS
15		8.00NS	0.00 S		4.00NS
16		12.0WS	0.00 S	==	2.00%5
1/		16.0NS	2.00NS	va 14	6.00MS
18		18.0NS	2.00mS		4.0045
19		12.0NS	0.00 8	==	4.00%5
20		10.0NS	0.00 5	44 ™	4.00MS
21		18.0NS	0.00 \$	→	2.00%
22		10.00S	0.00 8	→	4.00 aS
23		8.00 NS	0.00 S	**	4.00หล
24		o.00MS	N/A	The second of th	N/A
25		22.005	2.00NS	em Can -	០.00៧ន
26		10.0WS	0,00 \$		4.0บพร
27	4	12.0 mS	0.00 8		4 - 0 บ พ ธ
58		12.0NS	0.00 S	** 5	4 - 0 ยหร
29		16.0MS	N/A	⇒ •	N/A
30		12.UNS	0.00 8	# #	4.00mS
31		8.00WS	0.00 S	.# =	4.00NS
32	•	20.0NS	2.0UNS		N/A
33		16.005	0.00 S		4.00NS
ડે 4		10.0NS	0.00 8		4.00MS
35	· · · · · · · · · · · · · · · · · · ·	10.0MS	0.00 S	- 4	4.0UNS

1024 BIT RAM

DATA SETUP TIME (TDS) AT -55 C

. '		INTLTAL	168 HR	1000 HR	2000 нк
SN		DATA : : : .	DELTAS	DELTAS	DELTAS
- 1 −		12.0NS	-2.00NS	14 TH	2.00NS
5		14.0NS	0.00 S		2.00NS
ь		10.0NS	2.00NS	TO THE	4.00MS
7		5.00mS	0.00 S	w	4.00NS
8		10.0m5	0.00 S	-~	2.00 iv S
9		8.00NS	-2,00NS	₩ ₩	2.00MS
1 U		12.0NS	0.00 S		4.00NS
11		8.00៧8	0.00 S		4.00NS
12		10.0NS	-2.00NS	**	2.00NS
13	• •	10.0NS	0.00 S	==	4.00NS
14	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	12.0NS	0.00 5		4.00NS
15		6.00WS	0.00 S		4.00NS
1 ៦		IO.ONS	0.00 8	= -	4 . Ovns
1.7		12.0MS	0.00 S		4.00NS
10		14.UNS	0.00 S	==	4.00mS
19	•	12.005	0. 00 S	注章 · .	2.00mS
20	100	8.00WS	0.00 S	₩ 🕶	4.00NS
21		12.0NS	0.00 S	## .	4.0045
22		8.00NS	0.00 \$	==	4.00 WS
23		8.0048	0.00 S		4.00NS
24	•	4.00NS	NZA	· ==	N/A
25		16.0NS	0.00 S	## ,	6.00NS
26		8.00%8	0.00 S		4.00NS
27		10.005	0.00 \$		4.00NS
28		10.0NS	0.00 5	··· ·	4.00 NS
29		12.0NS	M/A		N/A
30		10.UNS	0.00 S	₩ ■	4.00MS
31		8.0045	0.00 S	**	4.00%
32		14.0NS	2.00NS		ANA
33		12.098	0.00 \$	= =	4.0003
34		10.085	0.00 S		4.00MS
35		8.00NS	0.00 S		4.00MS
		2.35	A contract of the contract of		

DATA SETUP TIME (TDS) AT -55 C

		INLTIAL	los HR	1000 н	2000 HR
ន្តស		DAIA	DELTAS	ÜLLTAS	DELTAS
4		12.005	-2.00NS		2.0uns
5		12.0NS	-2.00NS		2.00MS
b		10.005	0.00 S		2.0005
7		8.00MS	0.00 5		4.00NS
ខំ		10.0NS	0.00 5		2.00MS
9		20000S	0.00 B		4.00NS
10		10.005	0.00 S		4.00MB
11		8.00MS	0.00 S		4.00MS
12		8.00NS	0.00 S		4.00NS
13		10.0NS	0.00 S	II.	4.0005
14		10.0MS	0.00 S		4.00NS
15		6.00M2	0.00 S		4.00NS
15		12.005	0.00 S		4.00NS
17		10.005	0.00 5		4.00NS
18		12.0NS			4.00MS 4.00MS
19		12.0NS	0.00 \$		
20		ช.ปบพรี - ว.ว.ร	0.00 \$	-	4.00NS
21		12.0NS	0.00 S		4.00NS
24		8.UUNS	0.00 8	~-	4.00mS
23		B.OONS	0.00 S		4.00NS
24		b.OUNS	N/A	2.4	N/A
25		14.0mS	2.00NS		4.00%5
2.0		ម • ០០៧៦	2.00NS		4.00MS
27		8.00MS	2.00%8		6.00mS
26		10.005	2.00ks	74 44	4.00ms
29		10.0NS	N/A		A\vi
30		10.005	0.00 5		4.00ms
31	•	8 . UONS	0.00 5	-	4,00015
32		12.0NS	0.00 S		N/A
33		10.005	0.00 S		4.00NS
34		10.085	0.00 S	₩4	4.0045
35		d.00MS	0.00 S	→ =	4.00mS

DATA HOLD TIME (TOH) AT -55 C

VCC = 4150

	INITIAL	168 HR	1000 mR	2000 нк
SN	DATA	DELIAS	OEL1AS	DELTAS
4	12.UNS	2.00MS	==	-4.00MS
5	14.UNS	4.00NS		-2.00NS
, 6	18-UNS	2.00NS	mar 447	-4.00NS
1	14.UNS	4.00NS		-2.00NS
ಕ 9	16.UNS	2.UUNS	≟ •	-4.00NS
	18.UNS	0.0U S	40 40	-6.00NS
10	14,UNS	2.00NS	= =	-4.0UNS
11	14.0NS	4.00NS	`	-4.UUNS
12	12.0nS	2.00NS	400 part	=4.00mS
13	14.0NS	2.0008	-	-4.00NS
14	14.085	4.00mS	, max first	-2.00NS
15	14.UNS	4.00NS	==	-2.00NS
10	18.UNS	0.00 S	₩ =	-4,00NS
17	16.0MS	0.00 S	₩ 😜	-4.00NS
1 ਰ	14.0NS	4.00NS	-	-2.00NS
19	18.0NS	0.00 S		-4.00NS
20	ib.uns	2.00NS	_ =	-4.00NS
21	18.0WS	2.00NS		-4.00mS
22	18.0NS	ប.បប ន	~~	-6.00ms
23	18.UNS	0.00 S		-6.00mS
24	TA*ONZ	N/A	-	N/A
25	I4.UNS	2. JUNS		-4.00mS
20	14.UNS	4.00%S	· **	-4.00ms
27	1 8 . UNS	0.00 S	- -	-6.00NS
28	16 # UNS	2.00NS	##· ·	-4.0uNS
29	I4.0NS	N/A	47	N/A
30	14.008	4.0005		- 4.00mS
٤L	16.UnS	2.00NS		-4.0UNS
32	20.0m5	0.00 S		N/A
33	14.UNS	2.00NS	-	-4.00NS
34	14.0NS	0.00 S		=4.00NS
35	14.005	0.00 S		-4.00NS

DATA HULD FIME (TDH) AT -55 C

	lwillAL	168 HR	1000 HR	2000 HR
នត	DAIA	DELTAS	DELTAS	DELTAS
	••	· <u>-</u>	• •	
4	14.0NS	4.0005		-4.00MS
5	18,008	2.00NS	# ₹	-4.00MS
6 7	22.UNS	បបប ន	==	-4.00NS
	18. UNS	0.00 S	~ *	-4,00NS
ਰੇ 🕟	1 & • UNS	2.00NS		-4.00NS
9	18.UNS	2.0003	₩#	-4.00NS
1. Ų	18.UNS	0.00 8	⇔ =	-6,00mS
11	18.005	0.00 5	==	-4.00 NS
12	14.UNS	4.00NS	= **	-4.00NS
13	16.UNS	2.00NS		-4.00NS
14	10.UNS	0 . U 0 . B	+ + .	-4.00NS
15	18.UNS	0.00 S	·	-4.00mS
16	20.UNS	2.00NS		-4.00NS
17	18.UNS	0.00 S		-4.00195
1 ರ	18. UNS	0.00 8		-4.00H3
19	20.0NS	2.00NS		-4.00mS
20	18.UNS	0.00 S		-4.00NS
21	20.0NS	2.00NS	= ÷	-4.00NS
22	18.005	2.00%S		-4.00HS
23	18.0NS	2.0008	~-	-4.0045
24	20.0NS	N/A		N / A
25	10.045	2.00NS	~ *	-4.ប្បក់ថ
26	18-085	0.00 S		-6.00៧ន
21	20.705	0.00 8		-6.0UNS
28	18.005	2.00WS	ear feet	-4.00mS
$\overline{29}$	18.0NS	N/A		N/A
3 U	16.0NS	2.0008		-4.00No
31	18.005	2.0008	==	-4.00NS
32	22.0NS	2.0005		N/A
33	18.0NS	0.00 8		-6.00mS
34	10.000	2.0085		-4.00 m/s
3.5	18.0NS	0.00 S		-6.00NS
÷ **		- 		

DATA HOLD TIME (1DH) A1 -55 C

VCC = 5₄50

		INITIAL	168 HŘ	1000 AR	2000 HR
Sw		DATA	UELTAS	DELITAS	DELTAS
4	*.	15.0mS	2.00mS		-4.00NS
5		22.0mS	0.00 S		-4.00MS
ь		20.UNS	2.00mS		-6.00MS
\tilde{r}		20.0NS	2.00NS	+=	-4.00NS
8		22.005	0.00 S	₩ =	-4.00NS
9		2ป.บพธ	2.00mS		-4.00NS
10		18.UNS	2.00%5	==	-4.00WS
11		20.0NS	០.០០ ន		-4.00NS
1.3		18.0NS	០.០០ ន		-6,00NS
13		18.0m5	2.00%5	₩=	-4.00NS
14		20.0NS	0.00 5		-4.00NS
15		20.0NS	2.00NS		=4.00MS
16		24.0NS	0.00 S		-4.0UNS
17		20.0NS	0.00 S	 -	-4.00NS
18		20.0NS	0.00 S	==	-4.00NS
1.3	7	26.UNS	0.00 \$		-6.00ms
20		20.0NS	2.00NS		-4.00MS
21		24.0NS	2.00NS		-4.00MS
22		22.0NS	0.00 8	m 	-4.0ปหร
23		22.00S	0.00 8	**	-4.00NS
24		22.UNS	N/A		N/A
45	1.0	20.0NS	0.00 S		-4.00MS
. 20		20.0NS	0.00 S	**	-4. 00₩S
27		22.0MS	4.00NS	## ## *	-4.បហ្សន
28		22.085	0.00 S	+=	-4.00 ខេត
29		20.0NS	N/A		N/A
30		18.0NS	2.UUNS		-4.00NS
3 i		20.0NS	2.0045	#.#	=4.00uS
34		20.UNS	2.00NS		N/A
33		20.0NS	U. UU S		=4.00HS
34		18.0NS	2.00NS	= =	-4.00NS
35		18 * 0 M P	2.00nS		=4.00mS

WRITE PULSE, MIDTH (TWP) AT -55 C

-		INTITAL		168 HR		.000 HR		2000 1	πR
SN		DATA		DELTAS	L	PELTAS		DELTA	š ·
. 4		44.0NS		0.00 8		4.6 .		0.00 8	s
5		50.005	* •	0.00 S				2.00W	S
b		48.005		6.00NS			:	2.00NS	5
1		38.UNS		ប.០០ ន				2.00 NS	غ
. 남		42.0NS		0.00 5				-2.00MS	5
Ą		38.0MS		0.00 S				-2.00Na	ડં
10	$\mathbb{R}^{n-1} = \mathbb{R}^{n-1}$	50.0WS		0≆00 S	i		rie es	4 . 0 U N S	s c
11		38.008		2.0005				2.00M8	S
12	100	50.0NS		0.00 5				-2.00NS	Š
13		42.0NS		0.00 8				-2.00NS	3
14		54.0NS		-4.00ms	•			0.00 8	Š
15		42.UNS		0.00 S				-2.00NS	5
Ţρ		44.UNS		2.00NS	100	we tik		2.00m	5
1.7		50 . UNS		0.00 ន				4.00ms	3
1.8	·	54.008		2.00NS		- -		2.00Na	>
19		48.UNS		0.00 S				0.00 8	3
20		44.UNS		0.00 8		ne 🗝		0.00 8	š
21		56.VeS		2.00MS				2.00NS	š
2.2		38.005		6.00NS		~-		6.00 N8	5
23		40.UNS		-2.00NS		==		0.00 8	
24		32.0NS		M/A				N/A	
25		52.UNS		6.0UNS		-		2.0008	3
26	• •	40.UNS	•	2.00WS				0.00 8	5
27		44,005		0.00 8				0.00 8	
28	· .	44.005		2.00NS				0.00 8	
29		50.UNS		N/A		-		N/A	
30		44.0NS		0.00 S	•			0.00 8	ذ
31		38.0MS		0.00 S				2.00 Na	
32		00.0NS		-4.00MS				N/A	
33		50.0NS		4.00NS				4,00NS	i
34	•	44.085		0.00 S		==	•	0.00 8	
35		44.UNS		2.00NS				2.00m8	

WRITE POLSE WIDTH (TWP) AT -55 C

		INITIAL	168 HR	1000 HR	2000 HR
รท		DATA	DELTAS	DELTAS	DELTAS
.4 :		38.UNS	0.00 5	y ny s a=	-4.00mS
5		42.0NS	0.00 5	≈ ₹	0.0U S
ь		42.0NS	2.00NS	= -	=2.00NS
7		38.0NS	0.00 S		-2.00NS
4		32,0MS	6.00mS	- 10 m	4.00NS
. 9	•	32.0mS	0.00 S		0,00 S
10		44.0NS	2.00NS	· · · · · · · · · · · · · · · · · · ·	0.00 \$
11		34.0NS	-2.00NS	27	0.00 5
12		44.0NS	0.04 8		0.00 S
13		30.0NS	-4.00NS	-	0.00 S
14		44.005	2.0008		0.00 \$
15		38.0mS	0.00 5		-2.00NB
16		40.0NS	-2.00NS	==	-4.00NS
17		42.UNS	4.00mS	₩	2.00NS
18		46.0mS	2.00WS		0.00 \$
19		44.045	0.00 S		0.00 5
20		36.UNS	0.00 S	<u> </u>	0.00 S
21		48.005	0.00 8	na 🖛	0.00 S
22		∃ช.0NS	0.00 5		0.00 S
23		32.0mS	0.00 \$		4.QUNS
24		30.0NS	N/A		N/A
25		40.0NS	2.00MS		4.0005
26		30.UNS	-4.00NS	_	U.OU S
. 27		38.0NS	0.00 S		0.00 5
28		38.0NS	2.00NS		2.0045
29		44.005	N/A		N/A
30		38.UNS	2.00mS	· ••	2.00NS
31		32.0MS	0.00 S		2.00MS
32		50.0NS	4.00NS		N/A
ڊ ڊ اد		44.UNS	0.00 5	_ -	0.0u S
34		38.0MS	0.00 8		2.00NS
35		40.0NS	2.00%5		2.00NS

WRITE PULSE WIDTH (TWP) AT -55 (

Sn	LWITTAL UATA	168 HR DELTAS	1000 HR DLLTAS	Z000 HR DELTAS
4	32.0WS	0.00 S		2.00NS
4 5	38.048	0.00 S		0.00 5
	30.005	2.00NS		0.00 8
ъ 7	32.005	0.00 8		0.00 S
.8	30.0NS	0.00 S	e e e e e e e e e e e e e e e e e e e	2.00NS
9	30.0NS	0.00 S		-4.00mS
10	40.0NS	0.00 S	-que dins	0.00 S
11	32.0NS	0.00 S	==	0.00 S
12	42.UNS	0.00 S		-2.00NS
13	30.0NS	0.00 5		2.0008
14	40.0NS	0.00 S		0.00 8
15	36.0NS	0.00 S	- -	-2.00NS
16	38.0NS	0.00 S		-2.00NS
$\frac{1}{I}$	38.UNS	2.00NS		2.00MS
18	42.085	-4.00NS		0.00 8
19	40.085	0.00 5	₩ =	0.00 8
20	30.045	4.00NS	Surg Mass	4.00NS
21	42.005	0.00 S		0.00 8
$\tilde{2}\tilde{2}$	30.0MS	2.00NS	海等	4.00NS
23	30.0%5	0.00 S		2.0005
24	30.0NS	M/A	⇒ = 0.00	N/A
25	38.UNS	6.0UNS		4.00NS
26	32.0NS	-2.00NS		0.00 8
27	30.UNS	4.0UNS		4.0000
2.8	32.0NS	4.0UNS		4.00NS
29	42.UNS	N/A		iv/A
3 U	32.0NS	0.00 S		4.0005
31	30.0MS	0.00 S		2.00mS
32	48.0NS	4.00NS		N/A
33	40.UNS	0.00 S	**	0.00 S
34	32.008	0.00 S	TH 45	4.00Nb
35	38.0NS	0.00 8		0.00 8

ADDRESS SETUP TIME (TAS) AT -55 C

	INTTIAL	168 HR	1000 HR	2000 HR
SN	DATA	DELTAS	DELTAS	DELTAS
4	18.005	6.0UNS	·	-2,00NS
5		12.0NS		-2.00NS
	34.0W5			-1.00KS
ь 1	1.00%5	-1.00KS		-4.00KS
	32.0NS	30.0NS	· -	
ģ	1.00KS	-1.00KS		=1.00KS
9	44.UNS	40.UNS		-6.00kS
10	34.UNS	22.005		-2.00NS
11	58.0NS	38.005	THE STREET	2.00MS
12	14.UNS	0.00 8		-4.00NS
13	54.0«S	34.0NS		-4.00mS
14	50.045	34.0NS	₩	-2.00NS
15	10.005	4.0UNS	 	-4.0UNS
16	1.00KS	-1.00KS		-1.00KS
1.7	42.UN5	28.0NS	= €	-6.00NS
18	3o±UNS	14.UNS		-0.00MS
19	1.00KS	-1.00KS	· ••	-1.00KS
20	38.0NS	24.0NS	==	-4.00mS
21	40.005	20.UNS	W 30	0.00 S
22	1.00KS	-1.00KS		-1.00KS
23	44.0 iv S	36.008	₩ ==	=6.00NS
24	30.005	e A / A		N/A
25	32.00S	12.0%5	ni ==	-4.00MS
20	46.UMS	34.UNS		-4.00NS
27	42.0NS	28.005	and the	-0.00NS
28	ออ.บัพฉั	32.UNS		-2.00mS
29	CHU. GE	n/A		N/A
30	28.005	12.UNS		-4.00 dS
31	40.0NS	40.0NS		-4.00MS
32	76.0NS	38.0MS		N/A
33	44.0NS	26.0NS		-o.0043
34 :	1.00%8	-1.00KS	= -	-1.00KS
35	16.0NS	0.00 8		=6.00dS
- -	= - • • •			

ADDRESS SETUP TIME (TAS) AT -55 C

		TMITIAL		168 HR		1000 HR		2000 HR
SM		DATA		DELTAS		DELTAS		DELTAS
			* **			•		
4 5		10.005		2.00NS		==		-4.00NS
5		24.005		4.00ms				-4.00MS
O		44. UNS		24. UNS				-2.QUNS
7		22.UNS		8.00NS		THE POS. 1		-4.00mS
8	e get	34.0NS		30.UNS				-4.00ms
9		26.UNS	•	20.0NS				-4.0UNS
. 10		22.UNS		8-00MS				-2.00mS
11	* * .	28.0NS		26.0NS			•	-2.00NS
. 12		14.UNS		0.00 5				-4.0UNS
13		26.0NS		14.UNS		₩ 🕶		-4.00mS
14		28.0MS		12.0NS				-4.0UNS
15		14.UNS		2.00NS				-4,00NS
10		40.0MS		26.0WS		.		-4.0UNS
17	• •	26.UNS		10.0MS				-4.00MS
1 ៩		24.UNS		6.00WS				-4.00NS
19	•	36.085		22.UNS	•			-4.00mS
20		24.0NS		8.0005				-4 .0005
21		30.003		8.00mS				-4.00mS
22		38.UNS		20.0MS		4 7		anuu.a⊷
23	'	26.UNS		10.UNS				-4.00NS
24		22.0NS		N/A		Lat. 400		NZA
25		24.UNS		ក.00មន		- -		-4.00NS
26		26.UNS		10.0NS		40 40		-4.0UNS
27		26.UNS		៩.00គន				-4.00NS
. 28		32.UNS		20.0mS	1. 1. 1.			-4.00mS
29		24.045		AIR				N/A
30		20.0NS		6.00MS				-4.00mS
31		24.UNS		14.0NS				-4. 00N5
32		38.085		20.UNS				N/A
33		26.UN5		10.0MS		es -		-4.00MS
34		2410.80		14.0WS				-4.00mS
35		14.0NS		2.00mS		12 T		-4.00NS

ADDRESS SETUP TIME (TAS) AT -55 C

Ý	C	C	=	5.	50
¥	L	u		J.	コレ

· ·		INITIAL	168 нк	1000 HR	2000 HR
	Siv	DATA	DELTAS	DELTAS	DELTAS
	ą.	16.0NS	0.00 S	· · · · · · · · · · · · · · · · · · ·	-4,00NS
	5	20.00S	2.00WS		-2.00NS
	б	30.0KS	8.00%5	# =	-4.00NS
	7	20.0NS	4.00NS	金章	-4.00NS
1.1	8	24.045	10.0NS		-2.00NS
3	9	22.0MS	6.00MS		-4.00NS
	10	20.0NS	2.00NS		-4.00mS
1	11	22.0NS	8.00NS	→=	-2.00MS
	12	14.UNS	0.00 S	₹ ₹ 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	=4.00 S
1	13	22.0NS	4.0UNS		-4.0UNS
	1.4	24.0NS	4.00NS		-4.00nS
Ť.	15	15,UNS	0.00 5		-4.00NS
•	io	30.0NS	10.0NS	*************************************	-6.00MS
	17	22.0NS	4.00mS		-4.00NS
-	16	22.0NS	2.00mS		-4.00NS
1	19	20.0NS	10.0 mS		-2.00NS
	20	20.UNS	4.0005		-2.00mS
er-rele	21	26.0NS	4.00mS		-2.00m5
	22	28.0NS	10.0mS	e de la companya de l	-4.00NS
i (۷3	22.0NS	6.00NS	**	-4.00NS
	24	20.0MS	N/A		N/A
77 4.8	25	22.0uS	2.00NS		-4.0UNS
	26	22.0NS	4.00NS		-4.00HS
41.34	27	22.0NS	4.0008		-4.0uns
जन्म जन्म	28	24.0mS	8.00%5		-2.00mS
	29	20.0พธ	N/A		N/A
ů Ú	30	18.0mS	2.00NS		-2.00mS
	31	22.0MS	4.00MS	===	-4.00 MS
T. T. S.	32	32.0MS	4.00NS		N / A
ili Glue	3 3	22. UNS	4.00NS		-4.00NS
	34	50.UNS	14.UNS	==	-4.00NS
表情 [主	35	16.005	U.OU S	₩ ==	-4.00MS

ADDRESS HOLD TIME (TAH) AT -55 C

	1 W LT LAL	168 HR	1000 HR	2000 AR
SN	DATA	DELTAS	DELIAS	DELTAS
4.7	-4.00NS	0.00 5		2.00ms
5	-0.0UNS	0.00 S		2.00NS
b	-4.00mS	0.00 S		0.00 \$
1	-4.00NS	0.00 S	= ##	2.00NS
8	-4.00NS	0.00 S		0.00 5
9	-4.00ms	. 0.00 S	4.	4.UUNS
10	⇔ວ.00ທຣ	0.00 8	≥. ♥	2.00Nb
11,	-4.00NS	0.00 S		2.00N5
12	-4.00NS	0.00 S	aps 400	4.00NS
13	-6.00NS	0.00 S	100 100	2.00NS
14	-p.UUNS	0.00 S		0.00 S
15	-4.00MS	0.00 S	W 400	4.00NS
16	+4.00NS	0.00 S	≠ *	2.00NS
. 1,7	-6. OUNS	0.00 S	one with	0.00 5
1 ម	-p.00M5	0.00 S	 •	2.00MS
19	-4.00NS	-2.00NS		2.00NS
20	-4.00NS	0.00 S	⇒	2.00NS
2.1	-4.UUNS	+2,00MS	= =	=2.00MS
22	-4.00NS	0.00 S		0.00 S
23.	-2.00MS	-2.00MS		0.0V S
24	ប.បហិ និ	N/A	+-	N/A
∠5		0.00 S	₩ =	0.00 8
26	-4.00mS	0.00 5	en se	2.0 UNS
21	-4.00MS	0.00 S	→ -	2.00mS
28	-4.00MS	0.00 5		0.00 5
29	+b00MS	N/A		ı≥ / A
3 U	-4.UUNS	0.00 S	₩ 🖷	Z.00MS
. 31	-2.00MS	-2.00NS	. • •	0.00 5
32	~4.00 MS	0.00 S	10 mm	N/A
33	-6.UUMS	0.00 S		2.00NS
34	-4.00HS	0.00 S	₹	2.00MS
35	-4.00mS	0.00 S		2.00NS
				•

100

ADDRESS HOLD TIME (1AH) AT -55 (

·	LwlllAL	168 HK	1000 HR	2000 нк
SN	DATA	ÐELTAS	DELTAS	DELTAS
4	-2.00NS	0.00 5	m *	2.00NS
ŝ	0.00 S	-2.00MS		0.00 S
b	0.00 S	0.00 S		2.00NS
. 7	0.00 5	0.00 5		2.00NS
ម	0.00 ຮ	0.00 S	==	0.00 S
ÿ	2.00NS	0.00 S	→	2.00NS
10	-2.00NS	0.00 S	==	2.00NS
11	0.00 5	0.00 S	10 es	2.0003
12	-2.00NS	0.00 S	ere di kacamatan di	4.00NS
13	-2.00NS	0.00 S		2.00NS
14	-2.00WS	0.00 S		2.00NS
15	0.00 ន	0.00 5		2,00NS
16	0.00 S	0.00 S	₩ =	2.00mS
17	-2,00mS	0.00 8	= -	0.00 ន
18	-2.00mS	-2.00NS	January (1997)	2.00mS
19	0.00 8	-2.00m5		2.00mS
20	2.00NS	-2.00NS	= ₩	0.00 5
21	0.00 S	0.00 8		0.00 S
22	0,00 S	0.00 \$		0,00 5
23	2.0005	0.00 S	. 	0.00 \$
24	4 " U O N S	N/A	eng enk	N/A
25	-2.00NS	0.UU \$	100 MB	2.00 NS
20	បុ.្សប ន	0.00 \$	San :==	2.00NS
27	2.0005	0.00 \$	**	0.00 5
28	0,00 ន	0.00 S	₩	0.00 8
29	-2.00MS	N/A	₩	N/A
30	0.00 S	0.00 \$		2.00NS
31	2.00MS	U.UU S		0.00 \$
32	ប.ប្រ ដ	0.00 \$		N/A
33	-2.00NS	0.00 5		2.00m5
34	ប.00 ន	-2.00NS	WAR MAR	2.00mS
35	ປຸປປ ຊີ.	0.00 S		0.00 5

ADDRESS HOLD TIME (TAH) AT -55 C

		LNITIAL	168 нк	1000 HR	2000 HR
ងល		DATA	DELIAS	DELTAS	DELTAS
	e se se et la compa				
4		2.00MS	0.00 S	₩	2.00 NS
5		4.00nS	0.00 S		0.00 S
b		០.០០៧៩	-2.00NS	and the second second	0.00 S
7		4.00NS	0.00 S		0.00 S
8 .		4.00NS	0.00 S	alle Wal	0.00 S
9	** · · · · · · ·	4.00NS	0.00 S		2.00NS
1,0,		2.0005	0.00 S	- 1	2,00NS
11		4.UUNS	0.00 S	==	2.00NS
12		2.00MS	0.00 S	. — — — — — — — — — — — — — — — — — — —	2.00NS
13		2.00AS	0.00 S		2.00NS
14		2.00NS	0.00 S		2.00mS
15		4.00NS	-2.0UNS	₩	0.00 S
16		4.00MS	0.00 S	-	2.00NS
1.7		4.00MS	-2.00NS		-2.0UNS
1 ਲ		2.00MS	0.00 S	==	2.00NS
19		4.00NS	0.00 S	==	0.00 5
20	100	4.0045	0.00 S	₩	0.00 5
21	•	6.UUNS	-2.00WS	==	0.00 S
22		4.00%5	0,00 S	en e	0.00 \$
23		4.00mS	ប.្បប ន	~~	2.00NS
44		5.00MS	N/A	₩ ₩	N/A
25		4.00WS	-2,00NS	eu ###	0.00 8
2ь		4.0045	0.00 8	⇒ ₩	0.0V S
21		p.មហសS	-2.00mS	FE 194	0.00 ವ
28		4.00MS	0.00 \$		0.00 \$
29		2.00NS	N/A		N/A
- 3U		4.0005	-2.00NS	He T	U.00 S
31		4.00MS	0.00 S		0.00 S
3.2		4.00m5	0.00 8		N/A
ال ف		4.0005	-2.0UNS		0.00 5
3.4		4.00NS	-2 = 0 vaS		0.00 5
35		2.00MS	0.00 S		0.00 3

CHIP ENABLE TO WRITE TIME (TWS) AT -55 (

	INITIAL	108 HF	1000 HR	2000 AR
Siv	DATA	OLLTAS	DELIAS	DELTAS
4	42.0NS	0.00 S	44 44	2.00N5
5	46.0NS	6.0UNS		8.00NS
. b	46.0%5	6.00NS		0.00 5
7	34.0NS	4.00NS		6.00NS
8	38.0NS	4.00NS	 # -	4.00NS
ÿ	32.0MS	4.00NS		2.00NS
10	52.UHS	2.00NS		2.00mS
11	36.0NS	2.0008		4.00%5
12	48.UNS	2.00NS	. 	0.00 S
13	38.UNS	2.0UNS		4.00NS
14	 50.0NS	4.00NS		4.00NS
15	38.0MS	2.0UmS	<u> </u>	4.00NS
16	42.0NS	2.00MS		4.00HS
17	50.0MS	4.00NS		4.00NS
Îs	52.0MS	4.00NS	-	6.00MS
19	44.0MS	4.00NS		4.0UNS
20	40.0NS	4.0005	च =	4.00 NS
21	54.005	4.60NS	ean wh	4.00NS
22	40.0NS	2.00NS		4.00NS
23	38.0NS	2.0UNS		4.00 NS
24	34.0NS	N/A		N/A
25.	54.005	0.00 5	50 10	0.00 8
20	36.UNS	4.00ND	;=	4.00NS
$\frac{27}{27}$	40.048	4.00NS	190 100	4.00mS
28	40.0NS	4.00NS		6.00WS
29	52.0NS	N/A	up 100	N/A
30	40.045	4.00NS		6.00MS
31	30.UNS	2.00NS	way ###	4.0085
32	ออ. ปีพิธี	6.0005		N/A
33	50.0NS	4.00NS		6.00หอ
34	42.005	2.00NS		4.00NB
35	42.005	2.00NS		4.00mS
			•	* * *

CHIP ENABLE TO WRITE TIME (TWS) AT -55 C

vcc = 5.00

·		LNITIAL		158 HR		1000 HR		2000 HR
SN		DATA		DELTAS		DELTAS		DELTAS
a		1.0		0.00.6				-2.00NS
4		36.005		0.00 S				2.00MS
5		40.0NS		0.00 8				4.00NS
b		38.0NS		4.00NS				2.00MS
. 7		32.0NS		2.00NS				2.00NS
8		34.UNS		0.00 S				
9		30.0mS		0.00 \$				4.00NS
10	$A_{ij} = A_{ij} = A_{ij} = A_{ij} = A_{ij}$	42. UNS		0.00 S				2.00NS
11		32.005		0.00 \$				2.00MS
12		42.0NS		0.00 \$		₩=		2.00mS
13		32.0NS		2.00NS		-		4.00MS
14		40.005		4.0UNS			. *	6.00MS
15		34.UNS		2.00NS		-		4.00NS
16		38.0NS	•	0.00 5	· ·	-		2.00NS
17		40.UNS		4.00NS				6.00MS
18	*	44.UNS	·	0.00 5		***		2.00MS
19		40.UNS		2.00NS				2.00NS
20		34.0NS		2.00NS		10 P		4.00NS
21		44.0NS		4.00WS				2 ₋ 00 NS
22		34.0NS		2.0005		₽₽ ■ '	•	0.00 S
23		32.0NS		2.00NS		MF PP		4.0005
24		28.005		D/A				N/A
25		44.UNS		2.00NS				6.0UNS
26		32.0NS		2.00NS				4.00 NS
27		34.UNS		2.0088				4.0UNS
28	-	30.UNS		2.00NS				2.00MS
29		44.008		NZA				N/A
30		BO.UNS		2.00MS				4.0045
31		28.0NS		4.00MS				6.00NS
32		54.0mS		4.0005				N/A
33		42.UNS		2.0005				4.0008
34		30.005		0.00 8				4.00mS
35		38.UNS		0.00 5		-		4.00mS
		700000						

CHIP ENABLE TO WRITE TIME (TWS) AT -55 C

		LNITIAL	168 HR	1000 HR	2000 HK
	Sn	DAIA	DELTAS	DELITAS	DELTAS
	4	28.0NS	2.0008	- -	2.00NS
	5	36.UNS	-2.00NS	~~ ·	2.00NS
	Ď.	32.0mS	ប ្ចាប់ ន	= =	2.0005
	7	26.0NS	0.00 S		0.00 S
	8	30.0NS	0.00 S	=	2.00No
	ું	24.UNS	2.00NS		2.00MS
*	10	36.0WS	0.00 S	**	2.00NS
	11	28.008	0.00 S	==	2,00MS
	12	38.UNS	0.0U S	# =	2.00NS
	13	24.0NS	6.UONS	nt 18	2.00ms
	14	30.0N3	0.00 S		2.00%8
	15	30.0NS	2.00%8	40 11	4.00NS
	16	30.UNS	2.00MS		4.00m5
	17	34.UNS	2.00MS	m #	4.00NS
	18	38.00S	2.00WS	==	4.00mS
	19	34.UNS	2.00NS		4.00NS
	20	28.0NS	2.00NS	==	4.0005
	21	36.0NS	2.00NS		4.00MS
	22	28.0NS	2.00NS	rad ♦ ·	4.00mS
	23	24.0NS	4.00NS		2.00NS
	24	20.0NS	N/A		N/A
	25	38.0MS	2.00NS	===	4.00MS
	26	28.085	0.00 S	= =	-2.00MS
	27	28.UNS	2.0005	- 10	4.00NS
	28	30.0NS	2.00NS	-	4.00២២
	29	36.0NS	N/A		N/A
	30	30,0NS	2.00NS	- -	០.០០ ន
	31	24.UNS	2.00NS	= #	2.0045
	32	48.UNS	2.00NS		n/A
	33	36.008	2.00NS	no 🕶	-2.00mS
	34	30.UNS	2.00NS	==	0.00 ន
	35	34.086	0.00 8		4.00MS

READ CYCLE TIME (TRC) AT -55 C

		INTITAL	1 0 ਲ ਜ਼ਿਲ	1000 HR	2000 nR
ತ∿		DATA	DELTAS	DELTAS	DELIAS
			(n .1n g
ŧ		115.4S	5.00NS		0.00 8
5		150.NS	0.00 \$	= =	0.00 S
6		210.mS	5.00NS	1948 (44)	0.00 8
7		120.MS	5.OUNS		0.00 \$
占		165.NS	0.00 S		0.00 S
9		135.NS	0.00 S	==	#5.00MS
ΙU		145.NS	0.00 S		0.00 5
11		135.NS	15.0NS		-10.uns
12		100.85	0.00 ន	up and	0.00 5
13		170.NŠ	-5.00NS	ag 44	=5.00NS
14		100.NS	-10.0NS		០.០០ ន
15		100.NS	0.00 S		0.00 S
16		175.NS	20.0mS		0.00 S
1.7		105.05	០.០០ ន		0.00 S
18		145.NS	5.00NS	. 149 149	0.00 S
19		1/5.48	-10.0NS		-10.0ms
20		140.NS	០ប ន	· ==	≈5.00N∂
21		195.NS	0.QO S		0.00 S
22		175 . NS	0.00 8	**	#5.00NS
23		145.NS	ប.ប្ប ន	~ ·	-5.00MS
24		120.05	N/A	= =	N/A
25		155.NS	0.00 ន		0.00 ಕ
26		140.NS	5.00NS	cm ===	-5.00mS
27		155.NS	0.00 S	Cy mm	-5.00mS
28		175.88	U.UU S		0.00 S
29		150.NS	N/A	= =	N/A
30		135.08	0.00 8	==	0.00 \$
31	•	130.05	5.00m8		- 5.00µS
32		200.05	15.0NS	₩ =	N/A
33		105.48	0.00 8	- HA	-5,00NS
34		140.85	0.00 8	==	0.00 S
35		100.05	0.00 8	* *	0.00 8
			• •		

READ CYCLE TIME (TRC) AT -55 C

	INLTIAL	198 HK	1000 HR	ह० वत म स
5 A	DATA	DELIAS	DELTAS	DELTAS
4	100.05	0.00 8	⇔ ₩	0.00 5
5	115.NS	ប.ប្បន	144 EE	0.00 8
b	145.NS	U.UU 5	₩#	-5.0UNS
7	100.48	5.00NS	ap en	0.00 S
ដ	120.83	5.00NS	- -	5.00NS
ن	105.78	0.00 S		0.00 S
ŢΩ	115.NS	0.00 5		0.00 \$
11	1 ប 5 អ ន	5 . ប៊ុបមន		5.00mS
12	100.AS	0.00 S	94E TO	0.0u S
1 3	120.108	0.00 S	w ***	-5.00NS
14	125.45	0.00 S	₩	0.00 5
15	100 . NS	0.00 S		0.00 5
l b	130.05	0.00 8	40 44	−5.00แอ
1 /	125.05	0.00 S		0.00 8
16	115.NS	0.00 S		-5.00MS
19	125.NS	0.00 5		≈5. 00MS
20	105.05	5.00NS	~ ·	0.00 5
21	145.05	0.00 S		5.0008
22	125.08	5.00NS		0.UJ S
23	110 NS	5.00mS	देशा चर्मा	-5.00mS
24	100.45	N/A		N/A
2 5	135.00	0.00 \$	~ ~	0.00 8
26	195.NS	5.00NS		0.00 5
27	115.NS	5.00 iv S		0.00 5
∠ ∀	130.NS	-5.00AS		-10.UNS
29	115.NS	N/A	==	N/A
30	105.05	0.QU S		5.0045
31	105.08	0.00 S	# ■	⇔5.00ทธ
32	150.NS	25.UNS		N/A
33	120.NS	5.40048	=	J.UU S
3 4	115.48	-5.00mS		-10.UNS
35	100.45	0.00 S	40 T	0.00 5

READ CYCLE TIME (TRC) AT -55 C

SN		LM111AL OAfa	168 HR DELTAS	1000 HR Uellas	2000 HR DELTAS
4		100.NS	0.00 8		0.00 S
5		100.85	5.00NS	44 48	0.00 S
o		115.NS	5.00NS		0.00 S
7		IUU_NS	0.00 S		0.00 \$
8		105.NS	U.OU S		0.00 5
و `		100.NS	0.00 5		0.00 S
10		100.NS	0.00 \$	en per	0.00 S
11		100.03	0.00 S	₩ #	0.00 S
12		100.NS	0.00 S		0.00 8
1.3		100.WS	0.00 5	⇔ €3	U.UU S
14		105.45	5.00NS	∞ =	5,00NS
15		100.NS	0.00 S	₩ ==	0.00 ವ
16		110.NS	5.00NS	78E 8EE	-5.00MS
1.7		105.NS	5.00NS	49 40	0.00 5
18		100.NS	ប ្ បប ន	= =	0.00 5
19		105.NS	5.00NS	₩ ##	0.00 S
20		100.NS	0.00 8		و 00 S
21		125.115	0.00 S	美 舞	∸5.00៧៩
22	*	105.68	5.00AS	₹	0.00 5
23		100.NS	000 S		០.០០ ន
24		100.NS	iv Z A		NZA
25		110.NS	5បបសន់	app with	0.00 5
26		100.MS	0.00 \$		0.00 S
27		105.MS	0.00 S		~5.00#S
28		105.NS	5.00NS		0.00 8
29		100.05	m / A	= =	N/A
30		100.00	0.00 S		0.00 5
. З ш		100.NS	.0.00 S		0.00 S
32		135.พธิ	15.UNS	* -	N/A
33		105.485	0.00 S		0.00 s
34		100.05	0.00 S	* ■	0.00 S
35	. •	100.MS	0.00 S	₩ ©	0.00.5

.

WRITE CYCLE TIME (TWC) AT -55 C

vcc = 4.50

	INTTIAL	168 HR	1000 HR	2000 AR
ន់ម	UATA	DELTAS	DELTAS	DELTAS
4 °	ន្ត្រក្នុងខ្	0 <u>.</u> 00 S		0.00 5
5	94.UNS	12.0NS		0.00 \$
o 2 4 44	1.00K5	-1.00KS		-1.00KS
7	80.00S	30.00S		0.00 s
8	1.00KS	-1.00KS		-1.00KS
9	92.UNS	40.0NS		-8.00MS
10	94.UNS	21.0NS		2.00MS
11	106 NS	39.0NS	. · · · · · · · · · · · · · · · · · · ·	4.00MS
12:	80.0NS	0.00 S		0.00 S
13	IU6.NS	34.0NS		-6.00NS
14	113.NS	31.0NS		-1.00NS
15	ชบ.บทธ	0.00 8	***	0.00 S
10	1.00KS	-1.00KS		-1.00KS
17	102.05	27.0NS		-2.00NS
18	100.NS	15.UNS	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	-4.00NS
19	1.0063	-1.00KS		-1.00KS
20	92.0NS	24. UNS	**************************************	=4.00mS
21	112.NS	21.0NS	电	2.0045
22	1.00KS	-1.UUKS		-1.00KS
23	94.005	34.UNS		-6.00NS
24	80.005	N/A		R≠A.
25	94.0NS	18.0 wS		-2.0UNS
20	90.UNS	36.0NS		-4.00NS
$\frac{1}{2}$	90.UNS	27. UNS	==	-6.00MS
28	119.NS	34.0NS		-1.00NS
29	96.0MS	N/A		N/A
30	82.UNS	12.045		-2.00MS
31	58.UNS	40.0mS		-2.00NS
32	152.NS	34.0NS	→ = .	A/N
33	104.83	29.048	· ***	-2.00MS
34	1.00ks	=1.00KS		-1.00KS
35	80.005	0.00 S	· · · · · · · · · · · · · · · · · · ·	0.00 8
	00,000	0.00	-	- - -

WRITE CYCLE TIME (TWC) AT -55 C

SN	1m1T1AL DATA	ID8 HK Delitas	1000 HR DELTAS	2000 HR DELTAS
4	80.0WS	0.00 5	≈ i ≠	0.00 S
5	80.0NS	0.00 S		0.00 s
Ö	90.005	26.0WS	**	-4.00NS
. 7	8U.UNS	0.00 5		0.00 ន
8	80.UNS	32.UNS		0.00 5
g.,	80.0NS	8.00%	-	0.00 5
10	80.049S	6.00WS		0.00 S
11	80.0NS	16.UNS		0.00 8
12	80.0WS	0.00 S		0.00 \$
13	80.0NS	2.00mS	og ==	0.00 \$
14	82.0NS	14.UNS		-2.00M5
15	80.0NS	0.00 S	- 	0.00 S
10	90.UNS	24.UNS		-8.00NB
17	40.0MS	12.UNS		0.00 8
18	80.0NS	8.00NS	= •	0.00 5
19	90.0NS	22.0nS	: •••	-4.00mS
20	80.0mS	0.00 8		0.00 S
21	ង ៩. ០៧៩	8.00NS	ag us	-4.00NS
22	91.0พธ	21.UnS	-	-11 - UNS
23	80.0NS	4.00NS		0.00 S
24	80.0NS	N/A	em 453	N/A
25	30.0M2	8.00mS	₩ .	0.00 8
26	an.ons	0.00 S	· 	ប.បេប ន
27	្នប.បាន	2.00NS	★ ■ ***	0.00 S
28	80.0MS	22.UNS		0.00 5
29	80.0NS	in / A		N/A
30	80.0NS	0.00 S		0.00 8
31	នប.្រសុទ	0.00 5		V.00 S
32	104. riS	29. UNS	- T	N/A
33	80.0NS	10.0NS	==	0.00 5
34	116.NS	13.0WS		-2,00MS
35	au.uns	0.00 S		0.00 S

write cycle time (fac) A1 -55 C

	INITIAL	168 HR	1000 HR	2000 HR
Sin	Alau	ULLTAS	DELTAS	OELTAS
4	80.0MS	0.00 S	1	0.00 S
5	80.UNS	0.00 S	= 4	0.00 ន
o	80.048	6.00NS	==	0.00 8
7	80.048	0.00 \$		0,00 5
ь	80.0NS	0.00 S	= *	0.00 8
9	30.0WS	0.00 S		0.00 8
10	80.0MS	0.00 8		0.00 \$
11	80.0NS	0.008		0.00 \$
12	៩០.០៧៩	0.00 S	₩ 🖷	0.00 S
13	อัง เกา	0.00 S	→	0.00 S
14	a0,0NS	0.00 S		0.00 \$
15	80.005	0.00 S	••	0.00 S
10	80.0NS	8.00MS		0.00 8
17	80.UNS	0.00 S		0.00 S
16	ន 0. បស្ន	0.00 \$		0.00 S
19	BO.ONS	6.00NS	tari at 📲 🗀 ga iti	0.00 \$
20	80.0MS	0.00 8		0.00 5
21	80.0NS	2.00NS		0.00 S
22	80.04S	0.00 5		0.00 S
2.3	80.0NS	0,00 S	**	0.00 S
24	80.UNS	N/A		N/A
25	80.0NS	0.00 S	••	0.00 5
26	\$U.UN\$	0.00 S	==	0.00 S
2.7	80.0NS	0.00 \$		0.00 S
26	80.0NS	U.UU S		០.០០ ន
29	80.0NS	N/A	#4	N/A
30	80.005	0.00 S		0.00 5
31	80 . UNS	0.00 8	, to the magnetic control of the con	0.00 8
32	90.0NS	8.00mS	GE 64	N/A
33	ช0.0พธ	0.00 S		0.00 8
34	92.0NS	14.0NS		0.00 8
35	80.UNS	0.00 S	—. —	0.00 5

CHIP ENABLE TIME (TEN) AT +55 C

VCC = 4.50

	·	LWITIAL	158 HR	1000 HR	2000 HR
	i N	DATA	DELTAS	DELTAS	DELTAS
	र्	22.0mS	0.00 8	+44 ← .	2.00m8
	5	25.0NS	0.00 8	w w	0.00 S
	6	28.005	2.00NS		2.00NS
٠.	7	22.0WS	0.00 5	-# 4E	0.00 8
	ង	24.0NS	2.0UNS	# #	2.00NS
	.9	22. UNS	0.00 S		2.00NS
1	0	26.0NS	0.00 S		0.00 8
i	1	22.0NS	0.00 5		0.00 S
. 1	2	20.0NS	2.00NS		2.00MS
1	3	24.0NS	2.00NS	-	2.00NS
1	4 .	30.0MS	0.00 S	**	0.00 S
1	5	22.0NS	0.00 5		0.00 \$
1	6	24.0NS	0.00 S		2.00MS
1	A	28.UNS	2.00NS		2.00mS
l	8	24.UNS	2.00mS	₩	2.00NS
1	9	24.0NS	U.UU S	49 25	S.00M2
. 2	0	22.UNS	2.00%8		2.00MS
Z	1	34.045	0.00 S	-	2.00NS
	12	26. UNS	Z.00NS		2.00NS
	! d	22. UNS	2.00WS		2.00NS
	4	20.0NS	N/A	==	N/A
	15	26.008	2.00NS		2.00MS
	l o	22.0MS	2.00NS		2.00 NS
	! 7	26.0MS	U.00 S		0.00 \$
	16	20.UNS	0.00 5		2.00MS
2	19	26.0NS	A\M	 ₩	N/A
	10	22.0NS	2.00mS		2.00%
	1	22.0NS	0.00 \$		2.00NS
	12	30.UNS	4.00NS		N/A
	13	26.0NS	2.00NS	=	2.00พร
	14	22.00S	2.0048		2.00mS
3	15	22.0NS	0.00 \$		2.0045

CHIP ENABLE TIME (TEN) AT -55 C

		•	the state of the s		
		In LTLAL	1៦៥ កាដ	TOUG HR	2000 ਜਲੇ
7	Siv	DATA	DELTAS	DELTAS	DELTAS
7-	4	20.0NS	0.00 S	= =	0.00 5
	5	22.UNS	ប.ប្ប ន	. == ==	2.00NS
មេ១	6	24°0N2	0.00 8	⇒ ™	2.00หร
17- 19 7	7	T9.0NP	0.00 S	→ =	2.00MS
	 8	20.0NS	2.00MS		2.00MS
د فا	9	18.042	0.00 S	-	2.00MS
	10	22.0NS	0.00 S		2,00NS
7.5	11	18.UNS	0.00 S		2.00NS
	12	18.005	0.00 S		2.0045
u u	13	22.UNS	0.00 S		5.00 M2
	14	24.0mS	2.00NS		2.00MS
	15	18.0mS	0.00 S		2.00%
ii s	16	20.00S	2.00NS	yanı en let iyasınını.	2.00NS
	17	24.UNS	0.00 5	==	2.00mS
7 -7	1 ម៉	22.0NS	0.008	# #	2.00mS
	1 9	20.0NS	0.00 \$		2.00NS
M HOM	20	18.0NS	2.00MS		4.00NS
F11	21	28.UNS	2.00MS		2.00%3
	22	22.0NS	2.00NS		2.00MS
L	23	18.0NS	2.00NS		4.0085
	24	18.0NS	AVA		N/A
	25	22.UNS	2.00NS		2.00MS
	26	18.0NS	2.00NS		2.00MS
	$\overline{2I}$	22.UNS	0.00 5		2.00%5
1	28	22.0NS	0.00 S		2.00NB
	29	22.0NS	N/A		N/A
1	30	18.005	2.00NS	≟ = 100 € 100 €	4.00mS
	3 L	ld.UNS	2.00NS		2.0005
E C	32	26.0NS	2.00NS	Hage Alleh	N/A
A A	33	22.0WS	2.00NS	pag ===	2.00%5
. •	34	20.0NS	0.00 8	*	2.00%5
	35	18.045	2.00NS	** ***	2.00 mS
		T T T T T T T T T T T T T T T T T T T	=		

CHIP ENABLE TIME (TEN) AT -55 C

VCC = 5,50

	LWITIAL	168 HR	1000 HR	2000 HR
\$N	AIAU	DELTAS	DELTAS	DELTAS
4	10.005	2.00mS		2.00NS
5	20.0NS	U. UU S		0.00 S
6	22.UNS	0.00 S	= − 1	0.00 S
1	16.005	0.00 S		2.0048
8	18.0WS	0.00 S	***	2.00NS
y	10.0WS	0.00 S		2.00NS
10	18.UNS	2.00NS		2.00NS
11	10.005	0.00 8		2.00NS
12	10.0%5	0.00 S	• 	2.00NS
13	18.005	2.00ms	est att	2.00mS
14	22,005	0.00 8	ang pangangan pangangan pangangan pangangan pangangan pangangan pangangan pangan pangan pangan pangan pangan p	2.00NS
15	16.UNS	0.00 8	· ·	2.00NS
10	18.UNS	0.00 5		2.00MS
1.7	20.0NS	2.00NS	· ·	2.00NS
18	18.005	2.0UNS	49.46	2.00NS
19	18.005	0.00 5		2.00NS
20	10.UNS	2.00N5		2.00 NS
21	24.045	2.00NS		2.00NS
22	20.005	2.00NS		2.00MS
23	16.UNS	2.00MS	40.23	2.0045
24	10.0NS	N/A		N/A
25	20.0MS	2.00NS		2.00%
26	16.0WS	2.0008		2.00NS
ž l	20.0NS	0.00 8		2.00ms
28	20.UNS	0.00 S		2.0005
29	18.UWS	N/A		N/A
30	io. UNS	2.0005	-12 100	2.00MS
31	16.005	2.00NS		2.00NS
32	22. UNS	2.00NS	-	NZA
33	20.0WS	0.00 S	₩=	2.00mS
34	18.005	0.00 S	∓4	2.00៧ភ
35	16.0NS	2.00NS		2.00MS
				•

DUTPUT VOLTAGE DOW (VOL) AT -55 C

					•	4.5.00		******	.16
		.NITIAL		108 HR		1000 HR		2000	
នាម	· · · · · · · · · · · · · · · · · · ·	AFA		OELTAS		DELTAS		DELT	40
4	٤	O.OMV.		10.0MV				0.00	V ·
5	1	VPi. 00.		10.0MV				0.00	٧
О	1	20.0v	The state of the s	10.UMV				0.00	V.
7	1	00 * NA		10.UMV				0.00	٧
8	1	U5 - MV		10.UMV		767		-5.000	ΊV
· 9	£	35.0MV		15.0mV				0.00	V ·
10	و	35.0MV		10 UNIV				-5.000	YΙΥ
11	<u> </u>	VMV.O		10.0MV				-5.000	ı1 V →
12	· · · · · · · · · · · · · · · · · · ·	U . O . IV		10.0MV				0.00	V
13	1	VM.UO		15.UMV				0.00	٧,
14	1	20.MV		10.UMV			•	0.00	A.
15	ç	VM0.06		15.0MV		= **		0.00	٧.
16		OO . MV		10.UMV	• •			0.00	٧
1/	j	10.MV		10.0dV	e de la companya de			0.00	y ÷.
18	<u>,</u>	O. UMV		15.0MV	• •	==		0.00	Ý
19.	9	95.UMV		15 . UMV				0.00	٧
20	and the second	75.UMV	•	10.0m%		→ =-		0.00	٧
21		40.MV		10.0MV		. ==		-5.000	M V
22	1	U5.4V	*	15.0MV				0.00	¥
23	ć	O . Oalv		15.0my		44 199		0.00	V,
24	ξ	55. UAV		N/A		-		N/A	
25		LU5.MV		15.UMV		10 10 10 10 10 10 10 10 10 10 10 10 10 1		0.00	V .
26	٩	OO.OMV		10.0MV		= =		0.00	٧
27	. 1	IU.MV		10.0MV		~		0.00	V
28	1	105 # 19 V		IU.UMV					٧
29		95.UMY		N/A				N/A	
30	and the second of the	V M U _ U		10.UMV				0.00	٧
31	<u> </u>	0 - 0 M V		10.0MV		- ,-		0.00	. ¥
32		20.MV	• .	15.0 MV		<u></u>		N/A	
33	1	LOO = M V	.4	-90.0MV.				0.00	¥
34	į.	35.UMV		10.0MV	•	==		0.00	٧
35		35.UMV		15 - 0 ₪ ۷				0.00	٧.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DUTPUT VULTAGE HIGH (VOHI) AT -55 C

		1 as 1 % 1 & 1	168 HR	1000 HR	2000 HR
		INITIAL	DELIAS	DELTAS	DELTAS
SN		DATA	OUTTHO	DEDIKO	5552.15
4		4.41 V	10.0mv		O,d∪ V
5	•	4.41 V	5.00MV	41 W	0.00 V
		4.40 V	10.0MV	grande i grande 🙀 🚾 e	0.00 Y
ī		4.42 V	5.00mv		-10 = 0 pi V
8		4.41 V	5.00MV	and the second second	-5.00mV
وَ َ		4.42 V	10.UMV	-	÷5.UUMV
10		4.41 V	5.00MV	en e	-5.00MV
11		4.42 V	5.00MV		=5.00ñV
12		4.41 V	10.0MV		0.00 V
$\overline{13}$		4.41 V	5.00MV	-	-5.00MV
14		4.40 V	5.00MV	,	-5.UUMV
15		4.41 V	5.0UMV	==	0.00 V
10		4.41 V	10.00V		0.00 4
17		4.4U V	5 . 0 0 M V		0.00 Y
18		4.41 V	5.00mV	₩ ₩	=5.# 0 UMV
19		4.41 V	10.0MV		0.00 4
20		4.42 V	5.0001	≠ •■	-5.00MY
21		4.39 V	5.00mV	em (est	-5_00mv
22		4.41 V	10.0MV		-5.00MY
23		4.42 V	10.UMV	= **	0.00 Y
24		4.42 V	N/A	- 	N/A
25		4.39 V	10.014V	₩ 40	0.00 V
26		4.42 V	10.0MV		0.00 V
21		4.41 V	0.0U V		-5.00MV
28		4.41 V	5.00mV	₩ 500	-5,00mV
29		4.41 V	n/A	=*	N/A
30		4.41 V	LO_OMV	1. · · · · · · · · · · · · · · · · · · ·	-5 . 0 U MLY
31		4.42 V	5.0UMV		-5.00MV
32		4.39 V	0.00 V	en e	N/A
33		4.40 V	-4.39 V		0.00 V
34		4.41 V	5.00MV	**	- 5.00m∀
35		4.41 V	5.00MV		-5.00mV

UUTPUT VULTAGE HIGH (VUH2) AT -55 C

SN		INITIAL DATA	168 HK DELTAS	1000 HR DELIAS	2000 HR DELTAS
4		4.92 V	5.00mV		-5.00mv
5		4.92 V	0.00 V	· 	-5.00MV
6	•	4.91 V	5.00MV	42 54	-5.00MV
.1		4.91 V	0.00 V	- ·	-5.00My
8		4.91 V	10.UMV		0.00 v
ÿ		4.92 V	10.0MV	= D	0.00 V
10		4.92 V	10.UMV		-5.00MV
1.1		4.92 V	10.0MV		-5.00MV
12		4.91 V	15.047		0.00 V
13		4.91 V	5.00MV	==	-5.00mV
14		4.90 V	10.0MV	= =	-5.00MV
15		4.92 V	5.00mV		=10.0MV
16		4.91 V	10.0MV		0.00 V
17		4.91 V	10.0MV	. = *	-5.00MV
15		4.91 V	5.00MV		-5.00mV
19		4.92 V	5. 00MV		-10.0MV
20		4.42 V	5.00MV		-5.00MV
21		4.90 V	5.00mV	~ ₩	-5.00mv
- 22	1 11 × 11 × 1	4.91 V	15.0MV		-5.0UMV
23		4.92 V	10 - 0 M/V	-10 100 .	0.UU Y
24		4.92 V	N/A	** **	N/A
25		4.90 V	10.0MV		0.00 V
20		4.92 V	5.0047		-5.00av
27		4.92 V	5.00พ٧	44	-5.0unv
28		4.91 V	10.0MV		=5.00MV
29		4.91 V	N/A.	₩.♥	A/A
30		4.92 V	5.00MV		-10.0mV
31		4.92 V	5.00MV	4	-5.00mV
32		4.90 V	10.0MV		O/A
33			-4.89 V		5.00mv
34		4.91 V	10.0MY	-	-5.00MV
35		4.92 V	0.00 V		-10.0MV

5 1 H 2

AVERAGE INPUT DOW CURRENT (III) AT -55 C

Siv	LALILMI ALAG	108 HR DELTAS	1000 HK DELTAS	2000 HR DELTAS
4	-154.PA	808.PA	₩.	-1.08NA
4 5	=115.PA	1.12NA		3.47NA
, b	-154.PA	1 - 0 4 N A	, and see	-1.0/NA
1	-154.PA	654.PA		-2.76NA
8	0.00 A	840.PA	· **	758.PA
9	-192.PA	1.00NA	🙀 🕶	-1.83 NA
10	-269.PA	231.PA	# =	2.58NA
11	-923.PA	-1.31NA		3.4UNA
12	-192.PA	-154.FA		2.78NA
13	-76.9PA	-1.19NA		-2.13NA
14	U.UU A	-1.35NA	<u>→</u>	-1.14NA
15	-192.PA	-1.23NA	erine i din 📻 elektrik i birili	-11.5PA
lo	-115.PA	-1.12NA	= =	-2.76NA
17	-231.PA	-615.PA		3.42HA
18	-76.9PA	-1.23NA		2.62NA
19	0.00 A	-769.PA	4 =	-2.67NA
. 20	-231.PA	-885.PA		3.3/NA
21	-154.PA	-015 PA	= →	3.54NA
22	-76.9PA	-1.19NA	44 MP	-2.90NA
23	-231.PA	-115.PA		3.26NA
24	=38.5PA	N/A	₩	n/A
25	-76.92A	192.PA		2.43mA
26	-76.9PA	-962.PA	400 400	j.4una
21	U.00 A	-1.35NA		2.80mA
28	38.5PA	154.PA		2.60NA
29	38.5PA	N/A	- 	n/A
30	-462.PA	1.23NA		-1.89NA
3 1	-38.5PA	-154 - FA		-2.99MA
. 32	76.9PA	385.PA	· · · · · · · · · · · · · · · · · · ·	N/A
3 3	#115.PA	846.PA	-map major	-2.30NA
34	-231.PA	846.PA		3.53NA
35	-76.9PA	840.FA		=1.82NA

WURST CASE INPUT LOW CURRENT (IIL) AT -55 C

	to the second control of the second control		and the second s	the state of the s	
	LwltlAL	168 HR		ÍUGU HR	2000 HR
5.4	υΑľΑ	DELTAS		DELTAS	DELIAS
· 	-1 0000	D . O D to A			-2.15NA
. 4 5	-1.00NA	2.00NA 4.00NA	•		5.05NA
	-1.00NA	4.UUNA			-1.05NA
. b	-1.00MA				-2.40NA
-	-1.00MA	2.00NA 1.00NA			2.05NA
ა 9	500.PA	2.50NA			-2.05NA
10	-1.OONA				-2.05NA 6.05NA
	-2.00NA	AMOU.8-			14.6NA
11	-10.5NA	-26.5NA			4.00NA
12	-1.0UNA	-12.5WA			=2.85 NA
13	-500.PA	-24.5NA			2.70NA
. 14	-500.PA	-25.5NA		_	,
15	-1.00NA	-24.5NA			#1.15NA
16	-1.UUNA	-21.5NA		Mt 70	-2.10NA
17	-1.00MA	-18.5NA			4.85NA
ŤЯ	-1.00MA	-24.0NA			4.50wA
19	-500.PA	-18.UNA		47 ==	=2.60NA
20	-1 . 00wa	-20.5NA			4.90 NA
21	-1 - 00 NA	-17.5NA			4.70NA
22	ANDU.1-	-23.5NA			-2.35NA
23	-2.00NA	-10.0MA			5.60NA
24	-500.PA	N/A		4 =	N/A
25	500.PA	-8.00NA			2.95 NA
2 n	-1.UUNA	-13.5NA		· • •	5.00NA
21	-500.PA	-20-5MA			4.30NA ·
28	500.PA	-3.00MA			ABUE.E
29	500.PA	AVA			N/A
30:	-2.50NA	4.0UNA			-750.₽A
31	+500.PA	-11.0NA			-2.90NA
32	500.PA	-3.50NA			N/A
33	-1.00MA	3.5UNA		** **	-2,45NA
34	-1.UUNA	-500.PA			4.70NA
35	-1.UUNA	2.50NA		44, 44	-2.20NA

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

AVERAGE INPUT HIGH CURRENT (11H) AT -55 C

		INITIAL	168 HR	1000 HK	2000 HR
Sn		DATA	DEL1AS	DELTAS	DEPTED
		2444 150	4 (12) to A	·	754.PA
4 5		308.PA	1.92NA		423.PA
		JUB.PA	8.2/NA		7.69PA
Ь		340.PA	11.1NA	* ·	
		302.PA	3 - 1 2 N A		53.8PA
8.		577.PA	8.7/NA		535.FA
y		731.PA	6.5UNA		442.PA
ΤO		1.54WA	5.73NA	- 	-1.03NA
11		3.15WA	2.23NA		-2.50NA
12		1.U4NA	4.04WA	~ ~	-30-8PA
13	• .	1.3bWA	5.77NA		-505,PA
14		15.2NA	-12.9NA	**************************************	-14.UNA
15		092.PA	1.62NA		-327.PA
16		654.PA	1.50WA		=158.PA
17		923.PA	1.46NA		-76.9PA
1 ರ		346.PA	2.00NA	,-4 	700, PA
19		84.80B	1.15NA		-123.PA
2.0		615.РА	1.58NA		53.8FA
21		300.PA	1.02NA	= =	388.FA
22		308.PA	2.27NA		A4.c8o
23		5 . 9 0 19 A	1.73NA	** =	-1.02NA
24		385.PA	N/A	POR TOP	N/A
25		308.2A	2.120A		777.PA
20		231.PA	2.09MA		419.PA
ž1		308.PA	2.46NA		492.PA
۷٤.		308.PA	2.19Na		550.PA
29		308.PA	N/A		N/A
30		308.PA	2.46NA		262.PA
31		346.PA	2.00NA		658.FA
32		231.PA		 	0/A
			1 85NA		508.PA
3 5 2 0		346.PA	1.40NA		
34		231.PA	2.27HA		565.PA
35		231.PA	2.23NA		212.PA

WURST CASE INPUT HIGH CURRENT (11H) AT -55 C

		LNITIAL	168 HR	1000 HR	2000 HK
ន៧	* *	DATA	DELLIAS	DELLAS	DELFAS
4		2 . 00 m A	1.00MA		2.00NA
5		I.OUWA	And. UE	age test	3.35NA
б		1,50mA	55.5NA		2.75NA
7		7.5UNA	14.5NA	100 TT	-2.80 NA
ង		4.5UNA	20 . 5 iv A	柳 柳	-150,PA
9		5.5UNA	25.UNA		-850.FA
10		13.5NA	39 . 5 NA		-9.25NA
11		2U.UNA	17.5NA	nos Port	-15./NA
12		8.5UNA	23.0NA	100 Tab	-4.20NA
13		13.0NA	22.0NA		-8.ZOMA
14		111.NA	-107.NA		-106.NA
15		3.5UNA	2.0UNA		650.PA
16		2 . U O N A	ANOU.E		2.10NA
17		8.5UNA	-2.50NA		-4.35WA
18		2.00NA	3.50NA		2.50NA
19		7.00WA	-3.00NA	 -	-2.65NA
20		2.50NA	2.50NA		1.75 NA
21		1,50NA	2.50NA		2.00nA
22		1.00NA	4.00NA	-	3.75NA
23		73.5NA	1.50WA		-15.0NA
24		Aw00.1	N/A		N/A
25		1.00NA	2.5UNA		3.6UNA
20		1 . 00NA	13.UNA		3.30NA
21		1.50NA	8.50NA		2.80 mA
28		1.50WA	5.00NA	944	2,90NA
29		1.00MA	N/A		N/A
30		1 . U O N A	10.5NA	e= =	3.35mA
31		1.UUNA	3.00NA		3.4UMA
32		1 . UUNA	2.00NA		n/A
33		1 , 00 NA	1.5UNA		3.50NA
34		1 . UUwA	4.00mA	= 1 =	3.20mA
35		1.00mA	7.00NA	-	3.15NA

SUPPLY CURRENT (ICC180) AT -55 C

		and the second s		
	LNIIIAL	168 HR	1000 HR	2000 HR
SN	DALA	DELTAS	DELTAS	DELTAS
4	457 WA	948.NA	4 • .	-30.UMA
5	232.NA	1.43UA	- -	14.UNA
ts	16.3UA	-5.100A	100 MP	-11.3UA
7	4.00NA	971 . NA	- *	-4.5UNA
8	29.5UA	-9.85UA	- W	-25.1UA
Ą	AVI. aca	1.25UA	= ▼	310.NA
ŢΟ	172.NA	1.15UA		56.UNA
11	6.50NA	1.19UA	-	1.00NA
1/2	16.5nA	1.18UA		1.UUNA
13	11.5WA	929.NA	* =	-1.50NA
14	13.5WA	942.NA	₩	8.63UA
15	44.5NA	8/1.NA		-500.PA
16	21. UNA	819.NA		-6.00WA
± 7.	3.50NA	877.NA	in the state of t	D . UUNA
18	28. UWA	98/.NA	==	8.00MA
19	20.5NA	905.NA	==	-5.00 NA
20	11.UNA	654.NA	* =	3.50MA
21	12.UNA	1.26UA	, s.,	4.50NA
24	53.5NA	1.30UA	wo ==	=2.50NA
23	I. BbuA	1.15UA		190.NA
24	8.50NA	N/A	4 =	N/A
25	34.5NA	1.16UA	**	4.00MA
<u> </u>	4.5UNA	1.0/UA	No. THE	4.00NA
27	59.5NA	1.18UA	4-	-4.00mA
∠ ឋ	122.NA	913.WA	+e ←	-1U.UNA
- 29	448.UA	M/A	760 W	N/A
30	8.58UA	1.57UA		20.0NA
i.	43.5NA	1.22UA		-2.UUNA
3 Ž.	24.5NA	825.NA	·	n/A
33	2.03UA	1.43UA	~	9.33UA
3 4	154.UA	-9.00UA		8.50UA
35	13.5NA	1.34UA		-5.5UNA
-	'		· · · · ·	•

SUPPLY CURRENT (ICC181) AT -55 C

e e e e		INITIAL	168 HR	1000	
SIV		DATA	DELTAS	DELI	AS DELTAS
4		59.0UA	1.75UA		100.WA
5		239.NA	481.NA		25.5NA
		100.UA	-70.8UA		-89.5UA
Q 7			=9.05UA		-32,20A
		45.0UA	-10./UA		-24.9UA
d d		29.3UA			-13.8UA
9		17.8UA	#1.85UA		32.UNA
10		187.WA	554 NA		0.00 A
11		B. SUNA	366.NA		330.NA
12		539.NA	561.NA		
13		14.5NA	376 . NA		5.50NA
14		51.0NA	394 . NA	## ##	-9.50NA
15		56.5NA	339.NA		21.0NA
16		21.5NA	283.NA		500 .PA
17		5.00NA	305 - MA	-	-5.50NA
18		31.5NA	359.NA		-2.5UNA
19	·	21.UNA	3/1 = IVA	44	-2.50NA
20		12.5NA	223.NA		3.00ma
21		13.0NA	367.NA		3.50NA
22		55.UNA	4M.U85		-8.00NA
23		10.2UA	450 NA	₩₩	150.NA
24		10.5uA	N/A		n/A
25		3.87UA	3.05uA		2.62UA
26		10.5NA	350.NA		10.UNA
. 27		ANU.Uo	345.MA		-6.50NA
28		26. UNA	374.NA		4.5UNA
29		448.UA	A VA		tv/A
30		8.85UA	-95.UNA		+5.0UNA
31		14.4dA	-2.15UA	 .	-1.30UA
3.2		25.5NA	175 . NA		N/A
33		1.UUMA	580.UA		485.UA
34		153.UA	-9.00UA	-	9.00UA
35		27.UNA	383.NA		14.5NA
J. J.		a / e vien	3039110		. = = 4 +

SUPPLIX	CURRENT	(1CC2B0)	ΑT	- 55	C
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				0000 000
	LWITIAL	168 HK	1000 HR	2000 HR
SN	DATA	DELTAS	DELTAS	DELIAS
4	198. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	628 .NA		-20.0NA
5	120.UA	8.00UA	₩₩	-500.NA
b	15.7UA	-4.65UA		=10.8UA
7	4.UUNA	401.NA		-b.UOWA
8	29.5UA	-8.75UA	**	-25.00A
9	755.NA	505.NA	¹ → =	AM.00E
10	170.NA	546 NA		a3.5MA
11	7.50NA	393.NA	_ 	5.00WA
12	219.NA	bob. NA		142.NA
13	2.43UA	410.NA		-215.NA
14	15.0NA	415 NA		8.70UA
15	49.5NA	506 . NA		13,0mA
16	21.UNA	459.NA		-5.00NA
17	4.60UA	550.NA		35 . UNA
18	28. QNA	272.NA	. = '	3.0UNA
19	20.0nA	290 .NA.	N/A 400	=6.00MA
20	11.5NA	409.NA	==	7.50 WA
21	4.00NA	506 . NA		9.0UNA
22	392.UA	40.5UA	e e e e e e e e e e e e e e e e e e e	131.UA
23	AM. 080	446 . WA	≒ =	29.5NA
24	10.UNA	N/A	16 ■	N/A
25	15.5NA	609.NA	₩ ₩	23.0NA
20	25.5NA	530 . NA		13.5NA
.27	321.NA	AM. PEd		143.NA
28	124.NA	560.NA	≟ =	-8.50NA
29	10.0NA	N/A		N/A
30	78.5NA	496.NA		23.5WA
31	5.0UNA	515 NA		-b.00mA
32	10.2MA	0.00 A		N/A
33	43.8UA	950.NA		3.85UA
34	19/.UA	-13.5UA	- =	10.VUA
35	23.UNA	577.NA	₩ =	7.50NA

SUPPLY CURRENT (100281) AT -55 C

	LNITIAL	168 HR	1000 HR	2000 ak
811	DATA	DELTAS	DELTAS	DELTAS
4	67.8UA	950 NA		100.NA
5	121.UA	6.50UA		-2.00UA
6	120.UA	-89.7UA	=	-110,UA
7	52.7UA	-13,4UA	~-	-39.buA
8	29.5UA	-9.85UA	==	-25.00A
. 9	19.5UA	-1.1UUA		-15.2UA
10	1bo.NA	434.NA	· · · · · · · · · · · · · · · · · · ·	46.UNA
11	7.50NA	147 NA	ing and the second of the sec	-3.50NA
12	28.0NA	332.NA		35.UNA
13	2.44UA	130.NA	- 	-210.NA
14	56.UNA	179.NA	-	-12.5NA
15	46.5NA	344.NA		5.5UNA
16	20.5NA	379.NA		4.50NA
17	4.58UA	AM. 08E		70. UNA
18	29.0NA	306 . NA		-5.00NA
19	20.5HA	219 NA		1.50NA
20	11.UNA	284.NA		-1.50NA
21	4.5UNA	311.MA	an in the second second	-500 .PA
22	392.UA	40.5UA		130.UA
23	8.97UA	580.NA		ANU.Ud
24	10.9UA	N/A	==	N/A
25	4.3/UA	2./0UA	#=	2.45UA
26	25.5NA	214.NA		-1.50 NA
27	321.14A	424 . NA	# 50	132.NA
28	23.5MA	242.NA	⇒ 	AMOU, I-
29	17.5NA	N/A		M/A
30	85.5NA	299.NA	₩	9.ÜÜNA
31	14.UUA	-2.25UA		-1.10UA
32	10.2MA	0.00 A		N/A
3.3	1.07mA	545.UA		495.UA
34	190.UA	-13,5UA		10.5UA
35	15.UNA	285 NA		2.5UNA

DUTPUT LOW CURRENT (106) AT -55 C

on	INITIAL DATA	168 HK DELTAS	IUUU HR DELTAS	2000 HK Deltas
ą	12.UNA	5.50MA		-750.FA
5	5.0UNA	24.5WA		300.PA
, o	Anou, E	44.5WA	==	-2.30NA
7	3.50NA	18.5WA	≠	-5.45NA
ਖ	ANUU 🚅	35.00A		=750,PA
9	4 , UONA	28.UNA	ways state	-3,70mA
10.	b.5UNA	29.5NA	e e e e e e e e e e e e e e e e e e e	-4.10NA
11	ANU.EE	20.5NA		-30 . /NA
12	5.OONA	42.5NA	·	+1.00MA
13	2.50NA	63.0wA		2.15NA
14	10.5NA	1.00NA	we 440	-6.4UNA
15	2.00NA	4.5UNA		-50 OPA
16	2.00NA	1.00NA	, 	-3.95NA
17	1.5UNA	B.OUNA		2.85NA
18	1.0UNA	9.50 NA		3.15NA
19	1.50NA	4. U ON A		-2.55NA
20	2.50NA	500.PA	en jaron e e en jaron saar	1.80NA
21	1.00WA	2.UUNA		3.75NA
22 1 4	1.50NA	- 3.5UNA	or an experience	-3.15MA
23	2.00NA	2.50NA	CS 486	2.20NA
24	500.PA	14 / A		N/A
25	I.UUNA	4.QONA		2.70NA
20	500.PA	32.0NA	oup em	4.55NA
47	1.00NA	27.5MA	· · · · · · · · · · · · · · · · · · ·	1.70NA
20	500.PA	25.0NA		2.8UNA
29	500.PA	N/A		N/A
30	3.50NA	19.5NA	4	-600.PA
31	1.50NA	3.00MA		-3.75NA
32	1.UÚNA	2.50NA	min =00	N/A
33	1.5UNA	1.50NA	+-	-1.85NA
34	5.50NA	9.50NA		3.25 NA
3.5 3.5	500.Pa	21. UNA	-	-550.PA
J. J.		44 0 000		200 114

ADDRESS ACCESS TIME (TAA) AT 125 C

VCC = 4.50

	SN	INITIAL DATA	168 HK DELTAS	1000 HR DELTAS	2000 HR DELTAS
	4	170.85	0.00 8	0.00 8	5.00MS
	5	180.05	0.00 5	0.00 S	0.00 5
* ·	0 J	190.05	5.00mS	0.00 S	0.00 S
	· ·	185.NS	5.00NS	5.00NS	0,00 S
	성	170.NS	5.00NS	5.00NS	0.00 5
<u> </u>	<u>9</u>	175.45	0.00 S	0.00 S	5.00MS
	10	175.NS	5.00NS	5.00NS	5.00NS
ηŢ	11	150.05	15.045	10.0NS	10.0NS
	12	115.45	0.00 \$	0,00 S	0.00 \$
	13	170.NS	0.00 S	0.00 S	0.00 \$
Veg ope	14	185. NS	5.00mS	5,00NS	5.00NS
	15	120.NS	0.00 5	0.00 8	0.00 S
30 7	16	230.NS	5.00%5	0.00 8	5.00NS
	17	175.NS	0.00 S	0.00 S	-5.00NS
	18	170.NS	0.00 S	0.00 5	0.00 S
	19	210.NS	0,00 S	0.00 S	0.00 S
	20	155.NS	0.00 S	0.00 S	0.00 \$
45. - .	21	235.05	5.00หร	5.00MS	5.00NS
	22	190.NS	5.00mS	0.00 \$	0.00 \$
4, 1,	23	175.NS	0.00 8	0.00 S	-5,00NS
	24	160. NS	N/A	N/A	N/A
	25	205.NS	0.00 5	0.00 S	0.00 8
v 5	26	150.85	0.00 S	0.00 5	-5.00NS
	27	175.NS	0.00 5	0.00 S	-5.00mS
77	28	1 ៩5 - ៧ៜ	5 . 00 NS	0.00 S	0.00 ន
	29	175.05	N A	N/A	ΝZΑ
-37	3 U	1/U.NS	5.00NS	5.00NS	5.00MS
	31	105.48	0.00 \$	-5.00MS	-5,00NS
	32	23U.NS	10.008	M/A	N/A
6,514	33	205.NS	65.UNS	55.UNS	75.UNS
	34	255.¤S	5.00NS	0.00 S	0.00 8
7	35	125.NS	0.00 \$	0.00 S	0.00 S

ADDRESS ACCESS TIME (TAA) AT 125 C

vcc = 5.00

	LNITIAL	168 HR	1000 HR	2000 нк
SIN	DATA	DELIAS	DELTAS	DELIAS
4	145.no	0.00 S	0.00 S	0.0u S
5	155.08	0.00 8	-5.00NS	0.00 3
6	160.NS	0.00 S	0.00 ន	0.00 5
$-\tilde{y}$	100.NS	5.00NS	0.00 S	0.00 8
붱.	145.NS	U. 0U 5	0.00 S	0.00 8
y	150.NS	0.00 8	0.00 S	0.00 S
1.0	150.NS	5.00%5	5.00NS	0,00 S
11	130.NS	10.0NS	5.00NS	5.00mS
12	105.NS	5.00#S	00.0 S.	0.00 S
13	145.NS	0.00 8	0.00 S	-5.00NS
14	155.48	5.0UNS	5.00NS	0.00 3
15	110.WS	0.00 8	0.00 S	-5.00MS
10	185.NS	5.00NS	0.00 ຮ	0.00 5
1 7	150.85	0.00 S	0.00 S	0.00 8
18	145.NS	0.00 5	0.00 5	0.00 S
19	175.NS	0.00 S	0.00 S	-5.00MS
20	135.88	0.00 S	0.00 \$	-5.00NS
21	200.NS	0.00 S	ប.្លប់ ន	0.00 8
22	165 . NS	0.00 S	0.00 S	-5.00NS
23	150.88	0.00 S	ប.្ហ្ ន	-5.0UNS
24	140.05	N/A	N/A	N/A
45	1/5.45	0.00 S	0.00 S	0.00 8
26	135.WS	0.00 5	0.00 S	0.00 S
21	150.05	0.00 \$	0.00 ន	0.00 5
28	155.NS	5.00%5	5.UUNS	0.00 S
29	150.NS	Ν/A	N/A	n/A
30	145.08	5.00ms	5 ู บุบทร	5 , 00 พร.
31	140.05	-10.0AS	0.00 \$	0,00 5
32	210.45	-5.00mS	N/A	N/A
33	175 - เหอ	bu.UNS	50.0NS	65.UNS
34	220 NS	0.00 S	5.00៧ន	≂5.00สธ
35	115 = NS	0.00 8	0.00 S	0.00 S

ADDRESS ACCESS TIME (TAA) AT 125 C

	· · · · · ·	LNITIAL	168 HK	1000 HR	2000 HR
SN		JALA	DELTAS	OELTAS	DELTAS
4		130.45	0.00 8	0.00 S	5.00NS
5	1	135.48	5.00MS	០.០០ ន	5,00ms
ь		1 45 . No	0.00 S	0.00 S	-5,00⊌S
7]	150.05	0.00 S	0.00 S	0.00 ន
년		130.NS	-10.UNS	0.00 S	0.00 S
9		135.NS	0.00 S	0.00 S	0.00 S
10		135.NS	5.00%5	0.00 5	0.00 \$
11		115.NS	10.0NS	10.0NS	10.UNS
1.2		100 NS	0.00 5	0.00 S	0.00 8
13		130.NS	0.0U S	0.00 S	0.00 S
14		140 . NS	5.00%5	0.00 S	0.00 S
15	1	100.NS	5.00%8	0.00 S	0.00 S
·16		165.NS	5.00WS	0.00 S	0.00 S
17		135.NS	0.00 S	-10.0NS	0.00 S
18		135 - គេន	0.00 \$	U.00 S	0.00 S
19	:	155.48	5.0048	0.00 S	0,00 8
2.0		120.85	5.00៧៩	0.00 S	5.00NS
21		L80.#S	5.0003	0.00 S	5.00mS
22		150.NS	0.00 5	U.00 S	-5.00NS
23		140 .NS	0.00 5	-5.00NS	-5,00 NS
24		130.NS	N/A	A\m	N/A
25		160.NS	0.00 5	0.00 S	0.00 S
20		125.WS	0.00 S	0.00 8	-5.0uns
27		135.NS	5.00%8	0.00 S	0.00 8
28		145.NS	0.00 S	0.00 S	-5.00MS
29		135.05	N/A	AVN	N/A
30		135.พอ	0.00 S	0.00 S	0.00 5
31		130.NS	0.00 \$	0.00 \$	0.00 5
32	,	1.00KS	0.00 8	N/A	N/A
. 33	,	165.NS	50.0NS	40.UNS	55.UNS
34		200.08	5.00NS	5.00NS	0.00 S
35	. 4	110.NS	0.00 8	0,00 S	-5.00หร
		45			

DATA SETUP TIME (TDS) AT 125 C

VCC = 4.50

	LNITIAL	168 HR	1000 HR	2000 HR
SW	DAIA	DELIAS	DELTAS	DELTAS
4	20.048	0.00 8	0.00 S	4.00MS
5	18.005	0.00 5	2.00NS	4.0043
6	14.005	-2.00NS	0.00 S	2.00%5
7	10.0 NS	0.00 5	0.00 S	4.00mS
8	12.005	0.00 S	0.00 S	4.00NS
y	12.0MS	0.00 8	0.00 S	2 • UUNS
10	lø.ONS	0.00 S	0.00 S	4.UUNS
11	12.008	2.00NS	2.00MS	4.00NS
1.2	14.008	-2.00mS	-2.00NS	2,00NS
13	16.0NS	0.00 S	0.00 S	2.00 NS
14	20.0NS	0.00 S	0.00 S	2.00หลั
15	10.0NS	0.00 S	0.00 S	4.00mS
16	1 b . 0 w S	0.00 S	0,00 S	4.UUNS
17	18.0mS	2.00WS	2.00NS	4.00NS
18	20.0NS	0.00 8	-2.00NS	2.00mS
19.	16.UNS	0.00 5	0.00 S	4.00NS
20	14.0WS	0.00 5	0.00 S	4.00MS
21	22.UNS	0.00 S	0.00 S	4.00mS
22	12.UNS	0.00 8	0.00 S	4.00NS
23	12.005	0.00 5	0.00 S	4.00NS
24	8.00NS	N/A	a/A	M/A
25	26.UNS	0.00 8	2.00NS	4 . 00หธ
26	12.0MS	0.00 5	2.00NS	4.00NS
2.7	14. UNS	0.00 8	0.400 5	4.00mS
48	14.UHS	2.00NS	2.00NS	6.0UNS
29	20.0NS	N/A	N/A	N/A
30	16.085	2.00NS	2.00NS	6.0042
31	12.045	0.00 5	0.00 S	4.00NS
32	20.0NS	0.60 S	N/A	N/A
33	18 JUNS	0.00 5	0.00 S	4 OUNS
34	18.0mS	U.UU 5	0.00 S	4.0005
35	12.005	0.00 \$	0.00 S	4.00%5

DATA SETUP TIME (TDS) AT 125 C

		INTTLAL	168 HR	1000 HK	2000 нк
នគ		DATA	DELIAS	DELTAS	DELTAS
4		18.085	0.00 S	0.00 S	4.00NS
5		18.0MS	-2.00MS	-2.00NS	2.0008
6		12.005	0.00 5	0.00 S	4.00NS
7 8		12.0NS	០.០០ ន	0.00 S	2.00NS
		14 - บพธ	-2.00NS	-2,00NS	2.00NS
9.		12.0NS	0.00 S	0,00 S	4.00mS
1.0		16. UNS	0.00 S	2.00NS	4.00NS
11		12.UNS	0.00 \$	2.00NS	4.00ms
12		12.UNS	0.00 S	0.00 S	4.00NS
1.3		16.0NS	-2.00NS	0.00 S	2.00NS
14		14.0NS	0.00 8	0.00 S	4.00mS
15		10.0NS	0.00 S	2.00%5	4.00NS
16		18.005	0.00 S	0.00 S	4.00NS
17		14.UNS	2.00NS	2.00NS	6.00mS
18	•	18.0WS	0.00 S	v.uu s	4.00NS
1.9		10.UNS	2.00NS	2.00WS	៦.០០មន
20		14.0mS	0.00 S	0.00 8	4.00NS
. 21		18.008	2.00NS	0.00 S	4.0UHS
22		12.0NS	0.00 S	0.00 S	4.00NS
23		12.0mS	0.00 5	0.00 S	4.00mS
24		10.0NS	N/A	N/A	N/A
25		24.0mS	0.00 S	0.00 8	4.0048
26		12.UNS	2.00NS	2.00NS	6.00៧ន
27		14.UNS	0.00 S	0.00 S	4.00mS
28		14.0NS	0.00 S	2.00NS	4.0UNS
29		Ic. ONS	A\m	N/A	N/A
30		16.005	0.00 S	0.00 S	4,00MS
31		12.0NS	0.00 8	0.00 S;	4.00mS
32		18.005	0.00 S	NZA	N/A
33		1 o . OnS	0.00 5	0.00 5	4.00NS
34		16.0MS	0.00 \$	2.00NS	4.00NS
35		12.008	.U.UO S	0.00 8	4.00mS

DATA SETUP TIME (TDS) AT 125 C

		INITIAL	168 HR	1000 HR	2000 HR
SN	1.5	DATA	OLLTAS	ÜELTAS	DELTAS
4		18.0MS	0.00 \$	0.00 S	4.00NS
5		18.0NS	-2.00NS	-2.00NS	2,00NS
, b		14.0mS	2.00mS	0.00 S	4.00NS
7		16.UNS	2.00%	0.00 S	4.00NS
ь		16.UNS	-2.00MS	-2.00mS	2.00NS
ÿ		10.0NS	-2,00NS	0.00 S	4.00NS
10		18.0NS	0.00 5	0.00 S	4.00NS
11		14.0NS	0.00 8	0.00 Š	4.00NS
12		12.UNS	0.00 8	0.00 S	4.00NS
13		Ib.UNS	0.00 8	0.00 S	4.00NS
14	• •	16.0NS	0.00 8	0.00 S	4.00NS
15		12.UNS	0.00 \$	0.00 S	4.00 NS
16		22.0WS	2.00NS	0.00 S	6.00NS
17		Lo. UNS	0.00 5	0.00 8	2.00NS
18		18.0NS	0.00 8	0.00 ន	4.0005
19		22.0NS	ប.00 ន	0.00 5	4.00mS
20	·	14.UnS	0.00 5	0.00 8	4.0០៧៩
21		20.0NS	2.00NS	0.00 \$	4.00៧៩
22		14.0NS	0.00 5	0.00 S	4.00NS
23		10.005	0.00 S	0.00 S	4.00uS
24		12.045	N/A	tv/A	N/A
25		22.UNS	0.00 \$	0.00 S	4.ប្បធន
26		14.045	0.00 \$	2.00NS	6.0045
27		10.005	0.00 5	0.00 S	4.00NS
28		16.UNS	0.00 S	0.00 8	4.00mS
29		10.005	N/A	N/A	M/A
30	•	10.UNS	0.00 \$	2.00NS	6.00MS
3 L		14.0us	0.00 5	0.00 S	6.00NS
32		Ib.UNS	0.00 S	W/A	N/A
33		18.005	0.00 5	0 + 00 S	4.00พธ
34		18.UND	0.00 5	0.00 ន	4.00NS
35		12.UNS	0.00 S	2.00NS	4.00NS

DATA HOLD TIME (TOH) AT 125 C

vCC = 4.50

	INTILAL	16៩ ដាម	1000 HR	2000 HR
SN	DATA	DELTAS	DELIAS	OELTAS
4 4	14.0mS	0.00 S	0.00 8	-4.00mS
5	16.085	2.00NS	2.00 NS	-4.00MS
7 6 m	20.0NS	2.0UNS	0.00 5	-4,0008
7	20.0NS	0.00 8	0.00 S	-4.00NS
. 8	18,0NS	2.00NS	2.00NS	-4.00mS
9	18.UNS	2.00NS	2.00NS	-4.00mS
10	14.0WS	2.00NS	2.00NS	-2.00NS
11	15.005	2.00NS	2.00MS	-4.00NS
12	14.0NS	2.00NS	2.UONS	-4.00NS
13	16.0NS	2.00NS	2.00NS	-4.00NS
14	16.0NS	2.00WS	2.0UNS	-4,00NS
15	18.0NS	ប.្ប ន	0.00 \$	-6.00MS
ļo	22.UNS	0.00 5	0.00 8	-6.00MS
17	10. UNS	2.00NS	2.00NS	-4.00NS
18	16.0NS	2.00mS	2.0008	-4.00NS
19	22. UNS	0.00 \$	0.00 S	⊸6.0ប៧ន
20	18.0NS	0.00 S	0.00 S	~4.00NS
21	20.0NS	ບ.ບ0 ຮ	0.00 5	=6.00ห่อ
22	18.UNS	2.00NS	2.00NS	-4.00NS
23	20.0NS	0.00 8	0.00 S	-6. 00NS
24	20.UNS	ANA	NZA	N/A
25	lo.ONS	2.00NS	2.00NS	-4.00NS
20	18.UNS	ប.្រប ន	0.00 S	-6.0បអស់
21	18.0NS	2.00NS	2.00%5	-4.UUN5
28	Id.UNS	2.UUNS	2.00MS	=4.00ns
29	16.0WS	n/A	N/A	N/A
30	15.0NS	2-00MS	0.00 S	-4.00หร
31	18.0MS	2.00NS	2.00NS	-4. 00M5
32	20.0NS	2.00%5	Alm	N/A
3.3	16.0NS	2.00พธ	2.00NS	⊶4.00៧ៜ
34	lo.UNS	2.00NS	2.00NS	-4.00Nb
5 د	16.UNS	2.00NS	0.00 S	=4.00NS

DATA HULD TIME (TDH) AT 125 C

	LNITIAL	168 HR	1000 HR	2000 ਜੋੜ
e		DELTAS	ULLTAS	DELTAS
Siv	DATA	DEPTHO	DEDIAG	DGDIAD
4	10.008	2.00WS	2.00NS	-4.00mS
5	20.UNS	0.00 S	0.00 S	=6.00MS
6	24.UNS	2.00NS	0.00 S	-4.00NS
7	22.UNS	2.0uns	2.00NS	-4.00 NS
8	22.UNS	0.00 5	0.00 S	-4.00ms
9	22.0NS	2.00%5	0.00 S	-4.0UNS
ΤÜ	18.0NS	2.00NS	2.00NS	-4.00mS
11	20.0MS	2.00MS	0.00 S	-4.00NS
12	16.UNS	2.00NS	2.00NS	-4.00NS
13	18.0NS	2.00mS	2.00NS	-4.00NS
14	20.0NS	0.00 S	0.00 \$	-6.00mS
15	20.0NS	0.00 \$	0.00 S	☆ りょりひがき
16	26.UNS	0.00 S	0.00 S	-6. 00MS
1 7	20 . UNS	0.00 \$	0.00 5	-6.0UNS
18	20.005	0.00 ಕ	0.00 S	-6.00NS
Įy	26.UNS	ប.្បបុ ន	0.00 5	-6.00ms
20	20.0NS	2.0005	2.UONS	=4.00NS
21	22.0MS	2.00NS	2 . 00 MS	-2.00mS
22	22.UNS	ប.បប ន	0.00 S	∞4.បំបំ⊻ភ
23	22.0MS	2.0005	0.00 B	-4.00mS
24	24.0NS	N/A	ni / À	N/A
25	20.0NS	2.0UNS	U.00 S	~4.00 mS
20	20.0wS	2.00MS	០ប0 នៃ	-4.00NS
27	22.0NS	2.00mS	2.UUNS	-4.00HS
28	22 UNS	0.00 S	ប.ប្ប ន	-4.00mS
29	20.0MS	le / A	N/A	N/A
30	18.04S	2.00mS	2.00Nb	-4.00ms
31	22 ± 0 mS	U.UU S	ຍ ູ ບປ S	-4.UUNS
32	24.0%\$	2.00NB	N/A	N/A
33	20.008	0.00 S	0.00 S	=6.00พธ
34	20.0NS	0.00 S	0.00 S	-6.00 MS
35	18.0mS	2.00 05	0.00 S	-4.00 NS

DATA HULD FIME (IDH) AT 125 C

	LNITIAL	168 HR	1000 HR	2000 HR
SN	DATA	DELTAS	DELTAS	DELTAS
4	20.0mS	0.00 S	0.00 S	-4.00RS
5	22.0NS	2.00MS	2.00NS	-4. 00₫5
ь	28.UNS	0.00 S	0.00 S	-4.UUNS
1	28.OnS	V.VV 5	0.UU S	=4.00NS
뵹	26.0Nb	0.00 S	0.00 S	=4.00 NS
ij	26.UNS	2.00MS	2.00NS	-4.UUNS
10	22.0NS	0.00 8	0.00 S	-4.00mS
11	22,0NS	2.0008	2.00NS	-2.0งหร
12	18.0NS	2.00NS	2.00NS	-4.00NS
13	22.0NS	2.0008	2.00NS	-4.00NS
14	22.0NS	2.0048	2,00NS	-4.UUNS
15	22.048	0.00 S	0.00 8	-4.00HS
16	30.0NS	0.00 S	0.00 S	*4.00NS
17	22.UNS	2.00NS	2.00NS	-4.0JNb
18	22.UN5	2.00NS	2.00NS	-4.00m5
19	30.0mS	0.00 S	v.00 \$	-4.00ms
20	24.0NS	2.0008	2.00mS	=4.00mS
21	28.0NS	2.00MS	2.0045	-4.00NS
24	∠ರ.O೫೪	0.00 S	0.00 5	-4.00หอ
23	26.045	2.00ms	2.0005	-4.00NS
24	28.0nS	N/A	N/A	M/A
25	24.0NS	2.0005	2.00NS	-4.00NS
26	22.0wS	2.00NS	2.00NS	-4.UUNS
21	25.0wS	2.0008	2.00 NS	=4.UUNS
28	20.0ND	U.UU S	0.00 S	-4.UUNS
29	22.UNS	N/A	iv / A	n/A
30	22.005	u.Qu S	០.០០ ន	-4.00ms
3 l	20.0NS	U.UU S	ប.្ហប្ន	-4.00MS
32	2ช.บพ\$	2.0UNS	ni / A	A\vi
33	24.0NS	0.00 S	0.00 \$	~o.00m3
34	22.045	2.00MS	2.00NS	=4.UUNS
よ ち	20.005	2.00NS	U.OU S	-4.00 NS

- 1 1 - 1

WRITE PULSE WIDTH (TWP) AT 125 C VCC = 4.50

A Section of the second	INITIAL	168 HK	1000 HR	2000 HR
SN	DAIA	DELTAS	DELTAS	DELIAS
4	66.UNS	-2.00NS	0.00 S	0.00 S
5	66.UNS	-2.00WS	0.00 \$	0.00 ន
ь	50.UNS	8.00NS	10.0NS	2.0045
7	54 . UwS	0.00 8	0.00 S	0.00 5
8 .	52.0NS	-2.00NS	0.00 S	0.00 5
y	4ธ.0ทธ	0.00 S	0.00 S	2,00NS
10	62.0NS	0.00 S	2.00NS	2.00NS
11	48.0#S	2.00mS	4.00NS	4.00NS
12	56.0NS	0.UU S	0.00 8	2.00%5
13	54.005	0.00 8	0.00 S	2.00mS
14	60.0NS	0.00 S	2.00NS	0.00 8
15	48.0NS	0.00 5	0.00 S	0.00 5
16	60.0MS	-2.00NS	0.00 S	0.00 S
17	60.UNS	0.00 S	2.00NS	2.00NS
1 8	ត់ ត ្ឋ៧ន	0.00 S	2.00NS	2.0005
19	62.0mS	ប.00 ន	0.00 S	0.00 \$
20	54.UNS	0.00 S	ប់ ,ប្ប ន	0.00 5
21	76.UNS	0.00 S	2.00NS	0.00 S
22	54.UnS	0.00 8	0.00 S	0.00 S
23	52.UNS	0.00 S	2.00NS	0.00 S
24	48.0NS	AVM	N/A	N/A
25	18.UNS	0.00 8	2.00NS	2.00MS
26	52.0NS	0.00 S	0.00 8	0.00 3
21	54.048	U.UU S	0.00 S	2.00m5
28	56.UNS	0.00 ន	2.00NS	2:00NS
29	62.UNS	h / A	AVA	N/A
- 30 ·	o 2. 0 M S	0.00 \$	0.00 S	2.00aS
31	50.048	U.UU S	2.0048	0.00 S
32	72.0MS	0.00 5	tv / A	N/A
33	64.045	0.00 S	2 - 00NS	2.0005
34	04.UNS	2.00NS	4.00NS	4.00NS
35	56.UNS	0.00 S	0,00 S	ប.បេប ស

WRITE POLSE WIOTH (TWP) AT 125 C

	INTLIAT	Ad 8dI	1000 HK	2000 HR
Siv	DATA	DELTAS	DELTAS	DELTAS
4	60.0NS	-2.00MS	0.00 S	0.00 8
5	อบ.งพธ	-2.00NS	-2.00NS	0.00 5
6	52.0NS	4.0008	6.00NS	0.00 5
7	48.UNS	0.00 S	0.00 8	2.00NS
8	46.0NS	0.00 \$	0.00 S	0.00 5
n la g in na hen melle	46.0NS	-2.00MS	0.00 5	-2.0UNS
10	56.0NS	0.00 S	0.00 S	2.00mS
11	46.UNS	0.00 \$	0.00 S	2.00NS
1.2	5.4.0WS	U. UU S	0.00 S	0.00 8
13	48.UNS	0.00 \$	2.00NS	2.00NS
14	54.UNS	0.00 S	0.00 S	0.00 5
15	46.UNS	0.00 8	0.00 S	-2,00NS
16	-54.0พร	0.00 S	0.00 \$	0.00 5
1.7	54.UNS	0.00 \$	0.00 8	2.00ms
18	60.0NS	0.00 S	2.00NS	0.00 S
1,9	54.0NS	0.00 S	2.00NS	2.00MS
20	48.0NS	0.00 S		2.00ND
21	68.UNS	0.00 8	2.00NS	0.00 8
22	48.UNS	0.00 5	0.00 S	2.00NS
23	46.005	0.00 S	2.00ms	3.00MR
24	46.UNS	N/A	N/A	N/A
25	70.0NS	0.00 S	2 UUNS	2.0005
26	40.UNS	0.00 S	2,00NS	2.00NS
27	48.0NS	0.00 S	2.00NS	2.0048
. 28	52.0NS	0.00 8	2.00nS	0.00 8
29	56.0พธ	A \ M	n/A	N/A
30	54.000	2.00mS	2.00NS	4.0005
31	40.UNS	0.00 S	ប.្ហប ន	0.00 8
32	o4.UNS	0.00 8	N/A	N/A
33	58.UNS	0.00 S	0.00 S	2.0005
34	60.0NS	0.00 5	2.00NS	0.00 S
35	52.0NS	0.00 \$	2.0uns	0.00 8
	A Company of the Comp			

WRITE PULSE WIDTH (TWP) AT 125 C

vcc = 5.50

		INLITAL	log hk	LOOO HR	2000 HR
ន៧		DATA	DELTAS	DELTAS	DELIAS
		La NE	6 66 8	0.00 5	ប.បប ន
4		54.0NS	0.00 S	0.00 S	0.00 5
5		54.UNS	0.00 \$		2.00NS
6		46.UNS	6.00MS	8.00NS	
-I		46,UNS	0.00 S	0.00 S	0.00 5
뷥		42.0NS	0.00 S	2.00NS	0.00 \$
9		42.0NS	-2.00NS	0.00 S	0.00 5
70		52.0NS	0.00 S	2.00NS	0.00 5
1 1		42.0NS	2.00NS	4.00NS	2.00NS
12		50.0MS	0.00 8	0.00 S	ប្.00 ន
13		46.0MS	0.00 S	0.00 8	0.00 5
14		48.0NS	ប.បប ន	2.00NS	2.00NS
15		42.0NS	0.00 S	2.00NS	0.00 5
ì b		50.UNS	0.00 S	2.00NS	2.00%5
1.7	i kita i da	48.UNS	0.00 S	2.00NS	2.00mS
18		54.0mS	ບູ0ນ ຮ	2.00NS	2.0045
19	1 1 gr 4 1 1	52.0NS	0.00 S	2.00NS	0.00 \$
20		46.UNS	0.00 S	0.00 S	-2.00NS
21		62.0NS	0.00 S	0.00 S	2.00 NS
22		46.UNS	0.00 5	0.00 8	-2.00NS
23		44.000	0.00 S	2.00NS	0.00 S
24		42.005	N/A	AVA	N/A
25		64.0NS	0.00 8	0.00 5	2.00WS
26		44.005	0.00 5	2.00NS	0.00 8
27		40.005	0.00 5	0.00 S	∞ 0.00 S
28		48.0NS	0.00 8	0.00 S	2.00%5
29		52.0NS	N/A	NZA	N/A
30		52.UNS	0.00 5	2.00NS	v.v0 S
31		42.0NS	0.00 8	2.00MS	2.00WS
32		1.0005	0.00 5	N/A	N/A
33		54.0NS	0.00 5	0.00 8	U.UU S
34		54.UNS	2.00NS	2.00NS	2,00%
		and the second second	0.00 S	2.00NS	2.00NS
35		48.UNS	V. UU S.	2400110	Figure

ADDRESS SETUP TIME (TAS) AT 125 C

VCC = 4.50

		INITIAL		108 HK		00 HR		2000	
ន្តម		DATA		DELTAS	DΕ	LTAS		DELTA	.5
4		20.0NS		2.00NS	2.	UONS		-2.00N	
5		28.UNS		4.00mS	U.	00 5		-2.00M	
6		30.0NS		6.UUNS	0.			=4.000 N	S
1		2 ๒. • ยูฟS		0.00NS	the state of the s	UUNS		-2.00N	
8		20.0NS		b.00#S		.០០ ន		-2.00N	
ં ગુ		24.UNS		6.0UNS	2.	UUNS		-2.00N	
10		24.045		6.UUNS	2.	OUNS		-2.00N	
11		24.UNS		6.U0NS	2.	UONS		-2.00N	
12		18.0หร		2.00NS	0.	00 S		-4.00N	
13		26.0NS		2.00mS		.00 S		-4.00N	
14		28.0NS		2.00NS	0.	.០០ ន		-4.00N	
15		20.0NS		2.0008	and the second s	, u Q S		=4.00N	
10		42.0NS		12.UNS		, 00 S	٠.	-2.00N	
1.7	4 41.	26.UNS		4.0005		.០០ ន		=4.00N	
1 ರ		28.UNS		4.0UNS	U.	UU 5		-4.00N	
19		38.UNS		ម ₌ 0.0 NS		,00 S		-4.00n	
20	· · · · · · · · · · · · · · · · · · ·	26.UNS	÷	2.00NS		.00 S		-4.00W	ib
21		32.UNS	•	4.00NS		,00 S		-4.00N	
22		30.04S		6.00NS		,00 S		=4°00M	
23		Zo.UNS		4.00NS		.00 S		-4.00M	S
24		22.0NS		N/A	iV /		•	N/A	
25		28.008		2.00NS		.00 S		=4.00N	
26		24.0NS		4.00NS		.បប ន		=4.00N	
21	1	20.005		4.00mS		,00 S		#4, UUN	
28		26.005		4 UUNS		.00 S		=4.00N	S
29		26.UMS		N/A	n/			N/A	
30		54.0M2		4.0UNS		00 S		_ = 4 บบห	
1 د	New Control	24.UNS		2.00MS	·	ຸບບຸຣ		-4.00 N	S
32		32.UNS		4.00NS	N			N/A	
3.3		28.UNS		4.00NS		,00 S		-4.00W	
34		70.0nS		6.00NS		,០០២ន			
35		22.0aS		2.00MS	0.	.00 S		-4.00N	(S)

ADDRESS SETUP TIME (TAS) AT 125 C

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21 32.0NS 2.00NS 0.00 S -4.00NS 22 28.0NS 4.00NS 0.00 S -4.00NS 23 25.0NS 2.00NS 0.00 S -4.00NS 24 24.0NS 2.00NS 0.00 S -4.00NS 25 28.0NS 2.00NS 0.00 S -4.00NS 20 24.0NS 2.00NS 0.00 S -4.00NS 27 25.0NS 2.00NS 0.00 S -4.00NS 26 25.0NS 2.00NS 0.00 S -4.00NS 29 25.0NS 2.00NS 0.00 S -4.00NS 30 24.0NS 2.00NS 0.00 S -4.00NS 31 25.0NS 2.00NS 0.00 S -4.00NS 32 32.0NS 2.00NS N/A N/A 33 28.0NS 2.00NS -2.00NS -4.00NS 34 /2.0NS 2.00NS -2.00NS -5.00NS		30.0NS	6.00MS	0.00 S	-4.00mS
22 28.0MS 4.00MS 0.00 S -4.00MS 23 25.0MS 2.0UNS 0.00 S -4.00MS 24 24.0MS N/A N/A N/A 25 28.0MS 2.00MS 0.00 S -4.00MS 20 24.0MS 2.00MS 0.00 S -6.00MS 27 26.0MS 2.00MS 0.00 S -4.00MS 26 25.0MS 2.00MS 0.00 S -4.00MS 29 25.0MS 2.00MS 0.00 S -4.00MS 30 24.0MS 2.00MS 0.00 S -4.00MS 31 25.0MS 2.00MS 0.00 S -4.00MS 32 32.0MS 2.00MS N/A N/A 33 28.0MS 2.00MS -2.00MS -2.00MS 34 72.0MS 8.00MS -2.00MS -5.00MS	20	26.UNS	2.00MS	0.00 S	-4.00NS
23 25.0WS 2.0UNS 0.00 S -4.00MS 24 24.0WS N/A N/A N/A 25 28.0WS 2.00WS 0.00 S -4.00WS 20 24.0WS 2.00WS 0.00 S -6.00WS 27 25.0WS 2.00WS 0.00 S -4.00WS 28 25.0WS 2.00WS 0.00 S -4.00WS 29 25.0WS N/A N/A N/A 30 24.0WS 2.00WS 0.00 S 0.00 S -4.00WS 31 25.0WS 2.00WS 0.00 S 0.00 S -4.00WS 32 32.0WS 2.00WS N/A N/A N/A 33 28.0WS 2.00WS -2.00WS -4.00WS 34 72.0WS 8.00WS -2.00WS -6.00WS	21	32.0NS	2.00WS	0.00 S	-4.00NS
24 24.0ms n/A N/A N/A 25 28.0ms 2.00ms 0.00 s -4.00ms 20 24.0ms 2.00ms 0.00 s -6.00ms 27 26.0ms 2.00ms 0.00 s -4.00ms 28 26.0ms 2.00ms 0.00 s -4.00ms 29 26.0ms N/A N/A N/A 30 24.0ms 2.00ms 0.00 s 0.00 s -4.00ms 31 26.0ms 0.00 s 0.00 s -4.00ms 32 32.0ms 2.00ms N/A N/A 33 28.0ms 2.00ms -2.00ms -2.00ms 34 72.0ms 8.00ms -2.00ms -6.00ms	22	28.UNS	4.ប្បុស្ន	0.00 S	-4.00MS
25 28.0NS 2.00MS 0.00 S -4.00MS 20 24.0MS 2.00MS 0.00 S -6.00MS 27 20.0MS 2.00MS 0.00 S -4.00MS 28 20.0MS 2.00MS 0.00 S -4.00MS 29 25.0MS N/A N/A N/A 30 24.0MS 2.00MS 0.00 S -4.00MS 31 20.0MS 0.00 S 0.00 S -4.00MS 32 32.0MS 2.00MS N/A M/A 33 28.0MS 2.00MS +2.00MS -4.00MS 34 72.0MS 8.00MS +2.00MS -6.00MS		26.0NS	2.0UNS	0.00 S	-4,00MS
20 24.0NS 2.00NS 0.00 S -6.00NS 27 26.0NS 2.00NS 0.00 S -4.00NS 28 20.0NS 2.00NS 0.00 S -4.00NS 29 26.0NS N/A N/A N/A 30 24.0NS 2.00NS 0.00 S -4.00NS 31 20.0NS 0.00 S 0.00 S -4.00NS 32 32.0NS 2.00NS N/A N/A 33 28.0NS 2.00NS +2.00NS -4.00NS 34 72.0NS 8.00NS +2.00NS -6.00NS	24	24 UNS	N/A	N/A	N/A
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29 25.UNS N/A N/A N/A 30 24.0NS 2.UUNS 0.0U S -4.0UNS 31 25.UNS 0.0U S 0.UU S -4.0UNS 32 32.0NS 2.UUNS N/A N/A 33 28.UNS 2.0UNS +2.0UNS -4.0UNS 34 72.0NS 8.0UNS -2.0UNS -5.0UNS	27	26.0NS	2.00NS	0.00 8	-4. 00m3
30 24.0NS 2.00NS 0.00 S -4.00NS 31 20.0NS 0.00 S 0.00 S -4.00NS 32 32.0NS 2.00NS N/A N/A 33 28.0NS 2.00NS +2.00NS -4.00NS 34 72.0NS 8.00NS -2.00NS -6.00NS	28	20.UNS	2.00m8	0.00 S.	-4.00MS
31 20.00S 0.00S 0.00S -4.00NS 32 32.00S 2.00NS N/A M/A 33 28.00S 2.00NS +2.00NS -4.00NS 34 /2.0NS 8.00NS -2.00NS -6.00NS	29	26.UNS	N/A	N/A	N/A
31 20.00\$ 0.00\$ 0.00\$ -4.000\$ 32 32.00\$ 2.000\$ N/A N/A 33 28.00\$ 2.000\$ +2.000\$ -4.000\$ 34 /2.00\$ 8.000\$ -2.000\$ -6.000\$	30	24.0NS	2. UUNS	ប.ប្ប ន	-4.00NS
33 28.0MS 2.00MS +2.00MS -4.00MS 34 72.0MS 8.00MS -2.00MS -6.00MS	31		0.00 5	0.00 S	-4.0UNS
33 28.0MS 2.00MS +2.00MS -4.00MS 34 72.0MS 8.00MS -2.00MS -6.00MS	32	32.0MS	2 . UUNS	A \ n	N/A
34 /2.0NS 8.0UNS -2.0UNS -6.0UNS			2.0005	-2.00NS	=4.00N3
35 22.08S 2.00NS 0.00 S -4.00NS	34	/2.0NS	8.00៧ន	-2.00NS	-b.00ms
	35	22.0nS	2.00NS	0.00 S	-4.00NS

ADDRESS SETUP TIME (TAS) AT 125 C

VCC = 5,50

50	INITIAL DATA	168 HR Deltas	1000 HR Deltas	2000 HR DELFAS
4	22.005	2.00NS	0.00 S	-4.00mS
5	28.0NS	2.00NS	0.00 S	-2.00mS
ь	28.0NS	2.0UNS	0.00 S	-4.00MS
7	30.0M5	0.UU S	0.00 S	-4.00MS
. 8	26.0NS	2.00NS	0.00 S	-4.00MS
y	28.UNS	0.00 S	0.00 S	-4.00NS
10	26.0NS	2.00NS	U.00 S	-2.00NS
11	24.0WS	4.00MS	2.UUNS	-2.00MS
12	20.0NS	0.00 S	0.00 S	-4.00MS
13	26.UNS	2.0UNS	0.00 S	=4,00isS
1.4	28.00S	2.00mS	0.00 S	=4.00mS
15	22.0NS	0.00 8	0.00 S	-4.00NS
1 🗢 .	32.0NS	4.00NS	0.00 S	=4.00NS
17	28 . UNS	0.00 8	0.00 S	-4.0UNS
18	28.0NS	2.00ms	0.00 S	-4.00NS
19	30.0NS	4.00NS	2.UUNS	-2.00NS
20	26.0w5	2.00NS	- 2 1 0 TO S	-2.00mS
21	32.UNS	4.00NS	2.00NS	=2.00NS
22	30.0MS	2.00mS	0.00 S	-4.00NS
23	28.0NS	2.0048	0.00 S	-4.00MS
24	26,0NS	a/A	N/A	N/A.
25	30.UNS	0.00 S	0.00 5	-4.00NS
2 b	24.0NS	2.00ms	0.00 S	=4.00mS
27	28.UNS	2100NS	0.00 \$	-4.00mS
28	26.0NS	2.00mS	U.00 S	-2.00WS
29	26.0NS	N/A	" w/A	N/A
30	26.0NS	2.00NS	0.00 S	-4.00NS
31	28.0NS	0.00 S	0.00 \$	-4.00NS
32	30.0មុន	0.00 8	N/A	AVn
33	28.0WS	2.00ms	0.00 ຮ	-4.00ms
34	70 . On S	10.0MS	-2.00NS	-b.00m5
35	22.UNS	2.GUNS	0.00 S	-4.00NS

ADDRESS HOLD TIME (TAH) AT 125 C

VCC = 4,50

		LNITIAL	198 HK	- 1000 HR		2000 HR
24	•,•	DATA	DELTAS	DELIAS		DELTAS
 4		-8.00NS	0.00 8	0.00 S		0.00 S
		. =				0.00 S
5		-8.0008	0.00 \$	0.00 S 0.00 S		0.00 5
5 7		-4.00NS	0.00 8	The state of the s		0.00 S
		-4.00NS	ំប.បឋ ន	•		0.00 5
8		-4.00NS	0.00 5	0.00 \$		
9		-4.00NS	0.00 S	0.00 S	*,	0.00 8
Τ0	1.	-8.00MS	0.00 5	0.00 \$		0.00 S
1.1		-4.00MS	០.០០ ន	0.00 S		0.00 8
12	r Salahan	=o.00NS	0.00 8	0.00 S		2,00NS
13		-8.00mS	០.០០ ន	0.00 S		2.00MS
14		-6.00MS	-2.00NS	-2.00MS		0.00 8
15		-4,00MS	0.00 5	0.00 S	•	2.00MS
16		-6.00MS	0.00 S	0.00 5		0.00 S
17		-o.UUNS	0.00 S	0.00 S		0.00 5
1 ឋ		-8.UUNS	-2.00MS	-2.00NS		2.00mS
19		-6.00NS	0.00 S	0.00 S		2.00ms
20		=4.00MS	0,00 8	0.00 S		0.00 S
21			-2.00NS	0.00 S		ប.00 ន
22		⇒อ.บบฟรี	0.00 \$. 0.00 S		0,00 S
23		-4.00MS	0.00 S	0.00 S		0.00 S
24		-2.00NS	N/A	. IN ∕ A		N/A
45		-8.00MS	-2.00WS	-2.0UNS		0.00 8
- 2 o.	•	-4.00NS	-2.00mS	=2.00NS		0.00 5
27		-4.00mS	0.00 5	0.00 S		0.00 5
28	•	-6.00NS	0.00 ន	0.00 \$		0.00 5
29		-8.00NS	N/A	й/A		iv/A
30		-6.00NS	-2.00NS	-2.00NS		0.00 \$
31		-4.00NS	0.00 5	0.00 S		0.00 S
32		70.00NS	0.00 S	N/A		N/A
33		-8.00mS	-2.00mS	-2.00NS	•	0.00 5
34		-8.00NS	0.00 5	0.00 S		0.00 S
35		-4.00dS	-2.00NS	-2.00WS		-2.00WS

ADDRESS HOLD TIME (IAH) AT 125 C

				the state of the s
	LNITLAL	108 HR	1000 HR	2000 HR
SN	DATA	DELLAS	DELTAS	DESTAS -
4 5	-4,00NS	0.00 8	0.00 S	0.00 S
5	-4.00NS	0.00 S	U.00 S	0.00 S
Ó	2.00MS	ប.្ហប្ន	0.00 S	-2.00NS
1	ប•្ចប្ ន	0.00 \$	0.00 8	U.UU S
8	0.00 S	0.00 5	0.00 S	0.00 \$
9	ប.ប∪ ន	0.00 S	0.00 S	0.00 \$
10	#4.00NS	0.00 5	0.00 \$	0.00 S
11	0.00 ಕ	0.00 S	0.00 S	0.00 S
12	-4.00NS	2.00NS	0.00 S	2,00MS
13	-4.0008	0.00 5	ប.0ប ន	2.00MS
14	-2.00MS	0.00 S	-2.00NS	0.00 5
15	0.00 S	០.០០ ន	0.00 S	0.00 5
10	-2.UUNS	0.00 S	U.UO S	2+0บหลั
17	-2.00MS	0.00 8	0.00 5	0.00 ន
18	-4.00NS	0.00 8	0.00 5	2.00mS
19	-2.00NS	0.00 8	0.00 S	2.00NS
20	0.00 S	0.00 S	0.00 8	0.00 S
21	-2.00NS	0.00 S	0.00 ន	0.00 8
22	0.00 S	0.00 S	0,00 S	0.00 \$
23	2.00NS	0.00 ន	-2.00NS	-2.00NS
24	4.00NS	N/A	N/A	N/A
25	-4.00NS	0.00 5	0.90 S	0.00 8
20	0.00 S	0.00 5	0.00 S	0.00 S
27	0.00 S	0.00 S	0.00 S	0.00 S
28	0.00 \$	0.00 S	0.00 8	0.00 S
29	= 4 . 0 U N S	n/A	N/A	N/A
30	-2.00NS	-2.00NS	-2.00NS	0.0v b
31	2.00mS	0.00 8	ប.្បេស	0.00 5
32	0.00 8	-2.00mS	N/A	N/A
. 33	-4.00NS	0.00 8	0.00 8	0.00 S
34	-4.00WS	0.00 S	0.00 8	0.00 5
35	-2.0UNS	0.00 8	0.00 S	0.00 S

ADDRESS HOLD TIME (TAH) AT 125 C

	INTILAL	168 HR	1000 hR	2000 nR
SN	DATA	DELTAS	DELIAS	UELTAS
4	0.00 8	0.00 S	0.00 5	U.UU S
5	2.00NS	0.00 5	0.00 S	0.00 5
6		0.00 5	0.00 S	0.00 \$
7	4.00N5	0.00 S	0.00 S	2.00%5
8	4.00%5	2.00NS	0.00 S	2.0005
9	4.00NS	0.00 8	0.00 \$	2.00mS
10	2.00mS	0.00 S	0.00 S	0.00 8
11	4.00NS	0.00 8	0,00 5	ែ០.១០ 🕏 ื
12	0.00 8	0.00 S	0.00 S	2.00mS
13	2.00NS	0.00 B	0.00 S	0.00 5
14	2.00NS	0.00 S	0.00 5	0,00 S
15	2.00mS	0.00 S	0.00 S	0.00 ธ
. 16	4.00NS	0.00 S	0.00 S	2,0005
17	4.00mS	0.00 S		-2.00MS
18	0.00 5	0.00 S	0.00 8	2.00MS
19	4.00NS	0.00 S	0.00 8	2.00mS
.20	4.00mS	0.00 S	0.00 ន	0.00 S
21	4.00%5	0.00 S	0.00 \$	0.00 S
22	1.UUNS	0.0v S	0.00 S	0.00 s
23	6,00NS	0.00 S	0.00 8	0.00 8
24	8.00M5	H/A	N/A	AVA
25	2.00%5	0.00 S	0.00 S	0.00 \$
26	4.0008	0.00 S	0.00 5	0.00 5
27	6.00NS	• • •	=2.00N5	0.00 5
28	4.0005	0.00 S	0.00 S	0.00 s
29	2.0005	R/A	N/A	N/A
30	2.00mS	0.00 8	0.00 S	0.00 8
31	o.00MS	0.00 S	0.00 \$	0.00 5
32	4.0008	0.00 8	N/A	N/A
33	2.00MS	0.00 5	0.00 S	0.00 \$
34	2.00NS	0.00 8	0.00 S	0.00 S
35	2.00NS	0.00 S	-2.00NS	-2,00ms

CHIP ENABLE TO WRITE TIME (IWS) AT 125 C

vcc = 4.50

	INITLAL	168 HK	1000 HK	2000 HR
ЬW	DATA	DELIAS	DELTAS	DELTAS
4	64.0NS	0.00 8	-2.00NS	2.0005
5	64.0NS	0.00 8	-2.00NS	4.00NS
. b	56.0NS	6.UUNS	8.00NS	2,00NS
7	50.UNS	0.00 5	0.00 ន	4.00NS
8	48.UNS	2.00NS	0.00 S	4.00NS
9	46.UNS	0.00 S	-2.00NS	4.00mS
10	62.UNS	0.00 S	-2.00NS	4.00NS
11	46.UNS	2.00NS	2.00NS	ย.00 พธ
12 -	54.008	2.0UNS	0.00 S	4.00NS
13	52.0105	0.00 8	0.00 8	4.0045
14	58.UNS	U.00 S	0.00 8	4.00NS
15	46.UNS	0.00 8	-2.UUNS	4.00NS
1 á	56.UNS	0.00 S	0.00 S	4.00NS
17	58.005	0.00 8	0.00 S	€.00NS
18	64.0NS	2.00mS	0.00 S	4.00ns
19	58.005	2.00NS	0.00 8	4. UUNS
20	50.UNS	2.00NS	0.00 S	4.00NS
21	/4.UNS	0.00 8	0.00 \$	4.00NS
22	50.0NS	2.00NS	0.00 S	4. duns
23	50.0NS	0.00 5	-2.00NS	2.00%
24	46.UNS	N/A	N/A	N/A
25	/o.UNS	2.00NS	0.00 8	6.00NS
26	48.098	2.00NS	ប.00 ន	4.00NS
27	52.0MS	2.00%5	0.00 S	4.00NS
∠ 8	54.0NS	2.00NS	0.00 5	4.00NS
29	62.0NS	N/A	N / À	H/A
30	58.0NS	2.00mS	2.00NS	6.0UNS
31	48 . UNS	0.00 S	0.00 S	2.00%5
32	72.UNS	2.00MS	N/A	N/A
£E	04.UNS	0.00 \$	-2.00NS	2.0005
34	64.UNS	0.00 S	0.00 S	4.0005
35	54.UNS	0.00 5	0.00 S	2.0000

CHIP ENABLE IU WRITE TIME (TWS) AT 125 C

	INTITAL	168 HR	1000 HR	2000 HK
চাৰ	DAIA	DELTAS	DELTAS	DELIAS
		0		The Statement
4	50.048	0.00 \$	=2.00NS	2.00%5
5	56.UNS	0.00 8	-2.00NS	2.00%
b	4៩.0៧ស	6.0UNS	6.00NS	2.0048
7	44.UNS	0.00 \$	0.00 5	4.00NS
8	44.UNS	0.00 S	-2.00NS	2.00MS
9	40.0WS	0.00 S	0.00 S	2.0045
10	54.UNS	0.00 S	0.00 5	4.0045
11	42.0Nb	2.00NS	0.00 5	4.0005
12	50.0NS	0.00 S	-2.00NS	4.0005
13	46.UNS	0.00 S	-2.00NS	4.00mS
14	52,0NS	-2.00NS	#2 .0UNS	2 UONS
15	42.UNS	ប.បប ន	-2.00NS	2.00HS
16	50.045	0.00 s	-2.00NS	4.UUNS
17	50.0NS	2.0UNS	0.00 5	6.00NS
18	58.UNS	0.00 \$	=2.00NS	4.00MS
19	52.UNS	0.00 S	-2.00NS	2,00NS
20	44.0NS	2.00MS	0.00 S	4.00 NS
21	04.UNS	2.00NS	U.00 S	4.0005
22	44.000	2.00NS	0.00 S	4.0008
23	44.UNS	0.00 8	-2.00NS	2.0005
24	40.005	N/A	N/A	N/A
25	68.005	0.00 S	0.00 S	4 . UUNS
26	44.042	0.00 S	#2.00NS	2.00mS
27	46.UNS	០.០០ ន	0.00 S	4.UUN5
28	4 ម • បាមទំ	2.00NS	0.00 S	4.00m5
29	54.UNS	n/A	N/A	N/A
30	52.048	2.00NS	0.00 8	6.00MS
١ د	42. UNS	u.00 S	0.00 S	4.00HS
32	04. UND	0.00 S	n/A	N/A
33	56.0%\$	0.00 S	-2.00NS	2.00MS
7#	5p.UNS	2.00NS	0.00 S	4.00NS
35	48.0NS	0.00 S	0.00 S	2.00mS

CHIP EWABLE TO WRITE TIME (TWS) AT 125 C

, .		INITIAL	168 HK	1000 nk		2000 HK
SN		DATA	DELTAS	DELTAS		DELIAS
4		50.UNS	-2,00WS	-2.00WS		2.00MS
5		50.005	0.00 S	-2.00NS	:	2.00ms
. J		42.UNS	4.0.0NS	4.00NS		U.0U S
. 7	•	34.UNS	0.00 S	-2,00NS		2.00M5
វ ម		38.UNS	-2.00WS	-2.00NS		2.00MS
9		34.048	0.00 S	-2.00NS		2.00MS
		48.UNS	0.00 5	=2.00MS		2.00%5
10 11		30.0NS	2.00NS	0.00 S		4.0005
		46.0NS	0.00 S	0.00 B		4.00NS
12 13		40.0NS	0.00 S	-2 UUNS		2.0005
			-2.00NS	-2.00MS		2.00NS
14		46.0NS	0.00 8	-2.00NS		4.00MS
15		38:0NS	0.00 5	-2.00NS		2.00MS
16		40.008	2.00NS	0.00 5		4.00NS
17		44.UNS 50.UNS	2.00NS	0.00 S		4.00NS
18 19		42.0NS	0.00 S	-2.00NS		2.00%5
		-	2.00 kS	0.00 5		4.00NS
20		38.UNS	0.00 S	0,00 B		2.00mS
21	·, ·	50.UNS	0.00 5	-2.00mS		4.00NS
22		38.005 35.005	2.00%5	0.00 S		4.00NS
23		· ·	N/A	N/A		N/A
24		34.0NS	0.00 8	0.00 S		4.0005
25		540.00	-2.00NS	-2.UUNS		2.00NS
26		38ั•บพธ. แบ แตร	0.00 S	-2.00NS		2.00%5
21		40.0NS	0.00 5	0.00 S		4.00MS
28		42.08	N/A	N/A		N/A
29	•	48.005	2.00NS	0.00 5		4.00ms
30		40.0NS		0.00 G		4.00MS
31		30.005	0.00 S 0.00 S	u v o c n/A		A/A
32	eset in the second	1.00K5	0.00 5	0.00 5		4.00mS
3.3		48.005 50 008		0.00 5		4.00NS
34		50.00\$		0.00 5		2.0005
35	•	44.008	0.00 \$	V. VU D		2.0010

READ CYCLE FIME (TRC) AT 125 C

vCC = 4.50

	LATTIAL	1од нк	1000 HR	2000 HK
SN	UATA	DEL TAS	DELTAS	DELTAS
4	180.05	0.00 \$	0.00 5	0,00 S
5	175.08	0.00 S	0.00 5	0.00 S
	190.NS	U.UU S	5.00NS	0.00 S
о 7	180.05	0.00 S	0.00 S	0.00 S
8	175.NS	5.00%5	0.00 S	0.00 5
ð. G	105.NS	0.00 8	0.00 B	0.00 5
10	175.NS	5.00NS	5.00NS	5.00MS
11	155.48	5.00MS	5,00NS	5.00NS
12	135.NS	0.00 S	0,00 S	0.00 S
15	175.NS	0.00 5	0.00 5	0.00 5
14	170.NS	0.00 S	0.00 S	0.00 S
15	130.05	5.00 B	0.00 5	0.00 5
	225.NS	0.00 8	0.00 5	-5.00NS
1 o 1 /-	180.NS	0.00 5	0.00 S	-5.00NS
		0.00 S	0.00 S	0.00 S
18	175.NS		0.00 S	0.00 5
19	210.45	0.00 S 0.00 S	0.00 B	0.00 B 0.00 B
20	100.45	• • • -		0.00 5
21	230.No	0.00 \$	0.00 S	0.00 5
22	190.88	5.00MS		U.UU B
23	170.NS	0.00 S	0.00 S	N/A
24	150.NS	N/A	N/A	
25	210.NS	0.00 8	0.00 8	0.00 8
26	100.NS	0.00 S	0.00 8	0.00 S
2 <i>i</i>	1/5.05	0.00 S	0.00 S	-5.00 NS
20	185.NS	5.00%\$	5.00NS	0.00 S
29	175.88	N/A	N/A	N/A
30	175.NS	0.00 8	0.00 8	0.00 S
31	105.NS	0.00 8	0.00 S	~5.00NS
32	240.NS	5.00MS	N/A	NZA
3 3	190.48	0.00 5	0.00 8	0.00 S
74	190.NS	0 # 0 U S	0.00 8	0.00 5
35	145.45	0.00 5	០.០០ ន	0.00 S

READ CYCLE TIME (TRC) AT 125 C

vcc = 5.00

		, 20		
	INTITAL	168 HR	1000 HR	2000 HR
នព	DATA	DLLIAS	DELTAS	DELTAS
d	160.NS	0.00 S	0.00 S	-5.00WS
	155.NS	0.00 \$	0.00 5	0.00 S
D D	160.NS	0,00 5	0.00 S	0.00 5
j	155.NS	0.00 S	0.00 S	0.00 8
8	150.NS	0.00 S	0.00 S	-5.00NS
و و	145.NS	0.00 8	0.00 S	-5.00NS
10	155.พฐ	0.00 S	0.00 8	0.00 5
11	130.NS	10.0NS	5.00NS	5.00NS
1_{2}	125.NS	0.00 8	0.00 S	0.00 8
13	155.NS	0.00 5	0.00 8	0.00 8
1.4	16U.NS	0.00 S	0.00 S	0.00 S
15	120.NS	5.00NS	0.00 5	0,00 \$
10 10 A	130.NS	5.00NS	0.00 \$	0.00 S
1 7	155.05	0.00 S	0.00 5	0.00 S
news 18. this is a party	155.NS	0.00 S	0.00 S	0.00 S
19	170.NS	5.00NS	0.00 S	0.00 5
	140 NS	0.00 8	0.00.8.3.5	0.00 S
21	200.NS	0.00 S	0.00 S	0.00 8
7 22	105.NS	0.00 S	•5.00พธ	-5.00WS
23	150.NS	0.00 8	0.00 S	-5.00MS
High 24 (1995)	135.NS	n/A\m	N/A	N/A
25 .	185.NS	5.00NS	5.00NS	0.00 8
20	140.NS	0.00 S	0.00 S	0.00 5
27	155.NS	0.00 \$	0.00 8	0.00 8
26	160.05	0.00 S	000 \$	0.00 S
29	155.พิธั	N/A	N/A	N/A
ang 196 30 000 ang 1960 ang 19	155.05	0.00 5	0.00 \$	0.00 ន
31	145.05	0.00 S	0.00 5	-5.00mS
32	215.NS	0.00 S	H/A	N/A
3 3	105.88	0.00 \$	0.00 S	-5.00NS
34	170.NS	0.00 8	0.00 5	-5.00NS
35	135.48	0.00 \$	0.00 S	0.00 5

READ CYCLE TIME (TRC) AT 125 C

Six	LNITIAL DATA	168 HR Deltas	1000 HR Deltas	2000 HR DELIAS
4	145.45	0.00 ຮ	0.00 S	0.00 ន
5	145.48	0.00 S	0.00 S	0.00 S
b	145.05	5.00NS	0.00 S	0,00 S
$oldsymbol{J}_{i}$	14U.NS	5.00NS	0.00 S	0,00 5
8	135.NS	U.0U S	0.00 S	-5.00NS
. 9	135.WS	0.00 S	0.00 S	-5.00nS
10	140.NS	5.00NS	5.00NS	5.00NB
11	120.NS	5.00NS	5.00NS	5.00NS
12	120.00	0.00 S	0,00 8	-5.00NS
13	140.NS	0.00 5	0.00 \$	0.00 5
14	145.NS	5.00NS	0.00 S	0.00 S
15	115.NS	0.00 S	0.00 S	0.00 S
10	160.NS	0.00 S	-5.00NS	-5.00NS
17	145.NS	0.00 8	0.00 8	0.00 5
18	145.08	0.00 8	0.00 5	0.00 ຮ
. 19	150.mS	5.0008	0.00 5	0.00 S
20	130.05	0.00 \$	0.00 \$	០.០០ ន
21	185.NS	0.00 \$	0.00 S	0.00 B
22	150.05	0.00 S	0.00 S	-5,00mS
23	135.WS	5.00NS	0,00 S	0.00 8
24	125.NS	N/A	N/A	N/A
25	170.NS	5.00NS	5.00NS	0.00 8
26	130.48	0.00 S	0.00 S	-5. 0048
27	145.NS	0.00 5	0.00 5	=5.00WS
28	145.WS	0.00 \$	υ.υ0 S	0.00 s
29	140.NS	N/A	N/A	N/A
311	145.NS	0.00 \$	0.00 5	0.00 ន
31	135.NS	0.00 \$	-5.00NS	-5.00NS
3.2	1.00%5	0.00 8	N/A	N/A
33 -	150.พธ	0.00 S	0.00 8	0.00 S
34	155.08	0.00 S	0.00 S	=5.00NS
35	130.05	0.00 8	0.00 S	-5.00หร

WRITE CYCLE TIME (TWC) AT 125 C

VCC = 4.50

F-1					1.5
41		INTTIAL	108 HK	1000 nR	2000 HK
U	SN	ATAU	DELTAS	DELTAS	DELTAS
- 	4	96.UNS	0.00 \$	2.00NS	-2.00NS
	5	104.NS	2.00NS	0.60 S	-2.00NS
23	6	96.UNS	14.UNS	10.0NS	-2.00NS
	7	90.0NS	6.00NS	2.00NS	-2.00NS
	8	88.005	4.0UNS	0.00 S	-2.00NS
Ľ9	ÿ	82.0NS	e.vuns	2.00NS	0.00 S
	s and 10 0 1 s 1 s	96.0NS	6.00NS	4.00NS	0.00 8
	11	82.UNS	8.00NS	6.00NS	2.00NS
j	12	84.005	2.00NS	0.00 S	-2.00m5
	13	90.00S	2.0008	ប.00 ន	-2.00mS
er s	1.4	98.UNS	2.00NS	2.00NS	-4.00MS
	15	៩០.០៧៩	បុ.មក ខ	0.00 S	್ ೦.೦೦ ಟ
<u></u>	16	112.NS	9.00%5	0.00 S	-2.00NS
	1.7	96.0NS	4.00NS	2.00NS	-2,00NS
	18	104.08	4.00NS	2.00NS	-2.00NS
اران لاکتا	19	110.45	4NUU 8	0.00 5	-4.00NS
	26	90.008	2.00NS	0.00 S	-4.00 Ho
77	21	118.45	4.00mS	1.00NS	-4.00Nb
	22	94.0NS	6.00៧ន	0.00 S	-4.00หร
L2	23	88.008	4.00N5	2.00NS	-4.00NS
erron.	24	80.UNS	AVW	N/A	N/A
	25	110.05	2.00NS	2.00NS	-2.00MS
ات	26	86.UNS	4.00NS	0.00 S	-4,00NS
	27	90. UNS	4.UUNS	0.00 S	-2.00NS
<u></u>	28	92.0NS	4.00พธ	2.00NS	-2.00NS
ن	29	98.UNS	N/A	N/A	N/A
	- 30-3	96.048	4.00NS	0.00 5	-2.00NS
P* 1	31	84.UNS	2.00NS	4.00NS	-4.00mS
	32	114.WS	4.00mS	A\n	N/A
زان	33	LUZ.NS	4.00MS	2.00NS	-2.00NS
	34	149.85	8.00%5	3.00NS	-1.00NS
	3.5	88.088	2.00NS	0.00 S	-4.UUNS

WRITE CYCLE FIME (TWC) AT 125 C

SIV		LREPIAL DATA	168 HK Deltas	1000 HR DELTAS	2000 HR DELTAS
4		90.0NS	0.00 S	2.00NS	-2.00MS
5		98.005	0.00 5	=2.00NS	-4.00MS
 6		90.UNS	6.00MS	6.00%	-4.00NS
7	4.4	B4 . UNS	2.00NS	0.00 8	0.00 5
8		BO.OWS	2.00MS	0.00 8	0.00 8
. 9		80.0NS	0.00 8	2.00NS	0.00 \$
Ţυ		YU.UNS	4.00NS	2.00NS	0.00 \$
11		30.UNS	2.0005	0.00 8	0.00 S
12	t	82.0NS	2.00ms	0.00 8	-2.00NS
13		82.0NS	2.00NS	2.00NS	-2.00NS
14		90.0NS	4.00NS	0.00 5	-2.00NS
15	er gjallet i de	80.0NS	0.00 S	0.00 S	0.00 8
15		98.0NS	6.00NS	0.00 S	-4.00NS
1.7		90.UNS	2.00NS	0.00 S	-2.00NS
18		96.0MS	4.00MS	2.00NS	-4.00NS
19		94.0NS	6.00NS	2.00NS	~2.00ms
20		84.0%5	2.00NS	0.00 S	-2.00NS
2.1		110.NS	2.00MS	2.00145	-4.00NS
22		80.0MS	4.0005	0.00 S	-2,00ks
23		82.UNS	2.00NS	2.00NS	#2.0UNS
24		8U.0%3	H / A	N/A	N/A
25		108.NS	2.0UNS	2.00NS	-2.00NS
2 b		30.0mS	2.00MS	2.UUNS	0.00 S
27		34.UNS	2.00mS	2.00NS	-2.00NS
28		88.UNS	2.00NS	2.00NS	-4.00หร
29		92.0NS	NZA	N/A	AIM
30		გო.UNS	4.00NS	2.CUNS	0.00 S
31		82.0NS	0.00 S	0.00 ธ	-2 = 00MS
32		1 ปัก เพล	2.00NS	í¥ 🖊 Á	N/A
કક		96.UNS	2,00MS	-2.00NS	-2.00MS
34		141.08	8.00NS	0.00 5	-5.00MS
3.5	· · · · · ·	84.UNS	2.00NS	2,0005	-4.00NS

WRITE CYCLE TIME (TWC) AT 125 C

		LNIIIAL	168 HR	1000 HR	2000 nR
ន៧		UATA	DELTAS	DELTAS	DELIAS
4		80.0NS	2.00ms	0.00 8	-4.00mS
4 5		92.0NS	2.00NS	0.00 S	-2.00NS
b	All the second	84.0NS	8.00wS	8.00NS	-2.00MS
1	•	80.UNS	0.00 S	0.00 S	-4.00NS
5 B		80.0NS	0.00 S	0.00 S	0.00 5
وا		80.0NS	0.00 S	0.00 S	0.00 5
.:10		88.00S	2.00NS	2.00NS	+2.00NS
11		80.0NS	2.00NS	2.00NS	0.00 S
12	and the second	80.0WS	0.00 S	0.00 S	0,00 S
13		82.0NS	2.00NS	0.00 S	-2.00MS
14		BO.UNS	2.00NS	2.00NS	-2.0UNS
15		80.0MS	0.00 ន	0.00 S	0.00 5
16	er en	92.0NS	4.00NS	2.00NS	-2.00NS
17		80.UNS	0.00 S	2.00NS	-2.00mS
18		92.005	2.00NS	2.00NS	-2.00ms
19		92.UMS	4.00NS	4.00NS	-2.00MS
20		82.048	2.0008	0.00 8	-2.00MS
21		104.NS	4.00NS	2.0005	0.00 8
22		86.0mS	2.00mS	0.00 S	-6.00 NS
23	•	82.UNS	2.00NS	2.00%5	-2.00NS
24		80.088	N/A	N/A	N/A
25		104.NS	0.00 S	0.00 S	2.00mS
26		80.0NS	0.00 8	0:00 S	0.00 S
27		84.045	2.00AS	0.00 5	-4.00NS
28		84.UNS	2.00NS	0.00 S	0.00 5
29		88.UNS	N/A	N/A	N/A
30		08+0NS	2.00NS	2.00WS	-4.00NS
31		80.0NS	0.00 S	2.00NS	0.00 5
32		1.00KS	0.00 8	N/A	N/A
33		92.005	2.00NS	0.00 8	-4.00NS
34		133.03	12.UND	0.00 S	-4.00WS
35		80.UNS	2.00NS	2.0048	0.00 \$

CHIP ENABLE 11ME (TEN) AT 125 C

VCC = 4.50

	INTLIAL	168 HR	1000 HR	2000 HR
514	DATA	DELTAS	DELTAS	DELTAS
4	32.UMS	0.00 S	-2.00mS	2.0uns
5	34.005	0.00 S	-2.00NS	0.00 8
	34.0NS	0.00 8	-2.00NS	2.00NS
7	32.UNS	0.00 S	-2.00NS	0.00 5
ម	30.0NS	2.00mS	=2.00mS	2.00NS
9	28.005	0.00 5	-2.00NS	2.00NS
10	32.0NS	2.00NS	0.00 S	2.0048
11	26.0MS	2.00NS	0.00 8	4.00NS
12	28.UNS	0.00 5	-2.00NS	2.0005
13	32.0MS	2.00NS	0.00 5	2.00NS
14	35.0%5	0.00 \$	-2.00NS	2.00 NS
15	28.005	0.00 S	-2.00NS	0.00 S
16	34.0%5	0.00 S	-2.00NS	0.00 \$
17	34.0NS	2.00NS	0.00 S	2.00NS
18	32.0%S	2.0005	0.00 S	2.00mS
19	32.0#S	2.00NS	-2.00NS	2.00mS
20	30.UNS	0.00 S	-2.UUNS	2.00MS
21	40.0NS	2.00MS	-2.00NS	2.0000
22	32.0NS	2.0008	U.00 S	2.00ms
23	30.005	2.00NS	-2.00NS	2.00NS
24	28.0NS	NZA	AVA	n/A
25	38.0NS	2.00WS	-2.00NS	2.00NS
20	28.0NS	2.0005	0.00 S	2.00%8
27	34.UNS	0.00 S	-2.00NS	0.00 8
28	32.0145	2.0 UNS	0.00 S	2.00mS
29	34.005	N/A	N/A	N/A
30	32.0№5	0.00 5	-2.00NS	2.00NS
31	28.UNS	2.00NS	0.00 8	2.00mS
3.2	38.បាន	2.0005	N/A	N/A
33	34.048	2.00NS	0.00 S	2.00MS
34	34.008	0.00 S	-2.00NS	2.00NS
35	28.UNS	2.0005	0.00 S	2.00NS

CHIP ENABLE TIME (TEN) AT 125 C

		INITIAL	168 HR	1000 HR	2000 HR
SN		DATA	DELTAS	DELTAS	DELTAS
4		28.0NS	0.00 S	-2.00NS	2.0005
. 5		30.0NS	0.00 S	-2.00WS	0.00 S
5		30.0NS	0.00 S	-2.00NS	2.00NS
.7		28.UNS	0.00 S	-2.00NS	2.00NS
8	e i est de transce	26.0NS	2.00NS	-2.00NS	2.00MS
و .		24.0NS	2.00NS	0.00 S	2.00NS
10		28.0NS	2.00NS	0.00 S	2.00NS
11		24.0nS	0.00 S	-2,00NS	2.00NS
12	fan ty e e	24 . UNS	0.00 S	-2.00NS	2.00NS
13		28.0NS	2.00NS	-2.00NS	2.00MS
14		32.0N5	0.00 S	-2.00NS	0.00 S
15	jan en	24.UNS	0.00 S	-2.00NS	2.0005
16	• • •	30.0NS	0.00 S	-2.00NS	0.00 5
1.7	4 1 11	30.0iiS	2.00NS	0.00 5	2.0008
18		28.UNS	2.0UNS	ប.្ហប្រ	2.00NS
19		28.0WS	2.00NS	-2.00NS	2.00NS
20		26.UNS	0.00 S	-2.00NS	2,00mS
21		40.08S	0.00 8	-2.00NS	2.0005
22		28.005	2.00NS	0.00 S	2.00NS
23		26.045	2.00NS	-2.00NS	2.00MS
24		24.0NS	NZA	A\B	N/A
- 25		32.0mS	2.00NS	0.00 S	2.00NS
20		24.0NS	2.00NS	0.00 S	2.00NS
27	a og galga mortjo	30.0NS	0.00 \$	-2.CUNS	0.00 5
28		28.UNS	2.00NS	0.00 8	4.00NS
29		28.UNS	n/A	N/A	N/A
30	•	28.0NS	0.00 \$	-2.00MS	2.00NS
31		26.UNS	0.00 S	-2.00NS	0.00 8
32		34.095	U.00 S	AVO	N/A
. 33		30.0m5	2.00MS	-2.00NS	2.0005
34	the state of the s	30.UNS	0.00 8	-2.00NS	2.00NS
3.5		26.0NS	0.00 8	-2,00NS	0.00 ន

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CHIP ENABLE TIME (TEN) AT 125 C

vCC = 5.50

			and the second s	
	LWITTAL	168 ик	1000 HŘ	2000 HK
Siv	DATA	DELTAS	DELTAS	DELIAS
•				A 1.8.1. 6. 1
4	26.005	0.00 S	-2.00mS	0.00 S
5	26.0NS	0.00 S	-2,00mS	2.0005
6	26.0NS	2.00MS	-2.00NS	2.00NS
1	26.UNS	0.00 \$	-2.00NS	0.00 S
d	24.UNS	0.00 S	-2.00NS	2.00NS
y.	22.0WS	0.00 S	-2.00NS	2.00 NS
10	26.0NS	0.00 S	-2.00NS	2.00MS
11	22.UNS	0.00 \$	-2.00NS	2.00MS
12	22.0NS	0.00 S	-2.00NS	2.00NS
13	26.UNS	0.00 8	-2.00NS	2.00NS
1.1	28.UNS	0.00 8	-2.00NS	2.00mS
15	22.0NS	0.00 5	-2.00NS	2.00NS
10	26.0NS	2.00mS	-2.00WS	2.0000
1.7	28.0NS	0.00 S	-2.00NS	2.00 NS
18	26.0NS	0.00 S	-2.00NS	2.0005
19	26.005	0.00 8	-2.00MS	2.0005
20	24.UNS	U.UU S	-2.00NS	0.00 5
21	30.UNS	0.00 8	+2.00NS	2 - 0 ปหล
22	26.0NS	0.00 8	-2.00NS	2.00NS
2 .	24.0MS	0.00 S	-2.00NS	2.00NS
24	22.0NS	AVA	N/A	N/A
25	30.UNS	0.00 S	-2.00NS	2.00NS
40	22.0NS	2.0005	0.00 S	2.00NS
21	26.00S	0.00 8	-2.00NS	0.00 8
28	20.UNS	2.00MS	-2.00NS	2.00NS
29	40.UNS	N/A	N/A	N/A
30	24.0NS	2.00NS	0.00 \$	2.00NS
31	24.005	0.00 8	-2.00MS	0.00 8
32	30.0MS	0.00 S	N/A	N/A
33	28.0NS	0.00 S	-2.00WS	2.00MS
34	20.0NS	2.00NS	0.00 5	2.00NS
35 35	22.UNS	2.00NS	0.00 5	2.00%5
,, ,	WTIAIR	H V V M M M	- 	- • F

UDIPUT VOLTAGE LOW (VOL) AT 125 C

		INITIAL	168 HK	1000 HR	2000 HR
SN		DATA	DELIAS	DELTAS	DELTAS
4		145. му	10.0MV	10.0MV	0.00 V
5		165.MV	10.0mV	10.0MV	0.00 V
Þ		165.MV		10.UMV	0.00 V
7		170.MV	10.0MV	15.0MV	5,00mV
ું છ	4	I 7U.MV	10.0MV	10.0MV	0 • 0 0 V
y		145。64	10.0MV	10.0MV	0.00 /
10		155.mV	15.0MV	15.0MV	5.00mv
11		140.MV	20.0MV	25.0MV	10.0mv
12		135.MV	10.0MV	LU.OMV	0.00 v
13		1/0.44	10.UMV	10.0MV	0.00 ¥
14	73 THE 12 ST	185.MV	10.00V	15.0MV	5.00MV
15		150.MV	10.0MV	10.0MV	0.00 V
1 ö	$\mathcal{E}_{2} = \mathcal{E}_{1} \cap \mathcal{E}_{2} = \mathcal{E}_{2} \cap \mathcal{E}_{3} = \mathcal{E}_{3} \cap \mathcal{E}_{3} \cap \mathcal{E}_{3} \cap \mathcal{E}_{3} \cap \mathcal{E}_{3} = \mathcal{E}_{3} \cap \mathcal{E}_{3} $	175.MV	10.0MV	10.0MV	0 . 0.0 v.
1 7		1/5.MV	10 . OM V	10.0MV	0.00 V
18		160.MV	10.0mV	10.0MV	U_00 V
19	•	165.MV	10.0mV	10.0MV	0 # OO V
20		155.MV	10.0MV	10.0mv	0.00 V
21		230.MV	10.0MV	10.0MV	υ . ΰ0 ¥
42		105.mV	10.0MV	15.044	U U U V
23		150.MV	10.UMV	10.UMV	0.00 V
2.4		150.MV	N/A	M/A	N/A
25		185.MV	10.0MY	10.0MV	0.00 V
26		150 - MV	10.0MV	10.0MV	0.0U V
27		175.MV	10.0MV	VMO.OI	0 . UU V
28		175.MV	10.0MV	15.0MV	5.00mV
29		155.MV	N/A	N/A	N/A
30		155.MV	10.0MV	10.0MV	0.00 y
31		145.mV	TO.UMV	10.0MV	0.00 V
32		200.MV	10.0MV	N/A	N/A
ڊ ڏ ڏ		1/5.mV	10.0MV	10.0MV	-5.00mv
34		170.MV	10.UNV	10.0MV	0.00 V
35		145 av	10.0MV	10.0MV	0.00 V

OUTPUT VULTAGE HIGH (VOH1) AT 125 C

SN	INTTIAL DATA	168 HR Deltas	1000 HR Delias	2000 HR Delias
 4	4.33 V	15.UMV	10.0WA	-5 , 0 0 M V
- 5	4.32 V	10.000	10.0MV	-5.00MV
ם	4.32 V	5.00mV	5.00MV	-5_00mV
7	4.32 V	5.00MV	5.00MV	-5.00m¥
8	4.33 v	10.0My	10.0MV	0.00 V
وَ	4.34 V	10.0MV	IU.UMV	~5.00MV
10	4.34 V	5.00MV	5.00mv	-10.UMV
li	4.36 V	-10.0MV	-5.00MV	-20.0MV
12	4.34 V	5.0UMV	5.00mv	-5.00MV
13	4.32: V: No.	10.0MV	10.0MV	0,00 V
14	4.30 V	10.000	10.0MV	-5 OUMV
15	4.33 V	10.0MV	10.0NV	0.00 V
16	4.33 V	10.000	10.044	0.00 V
17	4.32 V	5.00MV	0.00 V	-10.0mV
16	4.32 v	5.00MV	5.UOMY	-5.00m√
19	4.33 V	15.0MV	10.0MV	0.00 V
20	4.34 V	10.0MV	10.UMV	-5.00MV
21	4.28 V	10.0MV	15.0MV	0.00 V
22	4.32 V	10.0MV	10.UMV	0.00 V
23	4.34 v	10.0MV	5.00MV	-5.00MV
24	4.34 V	fu/A	N/A	N/A
25	4.30 V	10.000	10.0MV	0.00 V
20	4.34 V	10.009	10.0MV	0.00 V
21	4.32 0	10.000	10.0mv	O.UU Y
28	4.32 V	10.0mv	10.UMV	0.00 V
29	4.32 V	N/A	N/A	N/A
30	4 . J4 V	5.00MV		-10.0MV
31	4.34 V	5.0UAV	5.00MV	-5.00MV
32	4.29 V	IO.Deiv.	N/A	N/A
33	4.31 V	IU.UMV	10.Univ	5.00mv
34	4.32 V	10.UMV	5 . OUM V	=5.00MV
35	4.33 V	10.0MV	5.00MV	0.00 V

BUTPUT VOLTAGE HIGH (VUH2) AT 125 C

	INTTIAL	168 HR	1000 HR	2000 HR
514	DATA	DELTAS	DELTAS	DELTAS
4	4.84 V	VMO.OI	υυ γ	-10.0mV
5	4.83 V	5.0UMV	10.0MV	-5.00MV
Ö	4.82 V	5.00MV	5.00mV	=10.0MV
7	4.d2 v	5.00mV	5.00MV	=5,00mV
: ઇ	4.03 Y	10.0MV	10.0MV	0.00 V
ÿ	4_84 V	10.0MV	10.0MV	0.00 V
10	1.84 V	5.00MV	5 . 00 MV	-10.UHY
11	4.85 v	-5.00MY	-5.00MV	=15.0mV
12	4.84 V	5.00MV	5.00MV	-10.0mV
13	4.82 V	15.0MV	15.0MV	0.00 4
14	4.81 V	10.0MV	10.UMV	-5.00MV
15	4.82 V	10.0MV	15.0MV	0.00 V
10	4.83 √	10.0MV	5.00MV	0.00 4
- 17	4.82 V	10.UMV	10.0MV	-5.00mv
18	4.83 V	10.0mv	10.UMV	0.00 V
19	4.84 V	10.00V	5.00MV	-5.00MV
20	4.84 V	LOLOMV	5 . 00mV	-10.0my
21	4.80 V	15.0MV	10.0MV	-5.00MV
22	4.82 V	10.0MV	5.00MV	-5.00MV
23	4.84 V	5 = 0 0 m V	5.00MV	-10 - 0 ₪ ₹
24	4.84 V	N/A	w/A	N/A
25	4.80 V	5.00mV	5.00MV	-5.00mV
26	4.84 V	5.0UMV	5.00MV	−5. 00mV
27	4.83 V	10.UMV	IO.UMV	0.00 4
28	4.82 V	5.00mV	5.UUMV	-5.UUMY
29	4 . 84 V	AVA	N/A	N/A
30	4,84 V	5.00MV	5. UOMV	-10.UMV
3].	4.84 V	IU.UMV	10.0MV	O.uu V
32	4.80 V	20.0MV	AVN	n/A
33	4.32 V	5.00MV	5.00MV	5.00MV
34		5.00mV	5.00MV	-10.0MV
35	4.83 V	IU.OMV	LO.OMV	≈5.00 6∀

REPRODUCIBILITY OF THE ORIGINAL PAGE IS FOOR

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AVERAGE INPUT LUW CURRENT (IIL) AT 125 C

	LAI11N1	168 HK	1000 HR	2000 HR
SN	DAI R	Deltas	DELTAS	DELTAS
4	-249.NA	48 . UNA	-2.92NA	-27.3NA
5	-35/.WA	41.5NA	27.1NA	-29.3NA
6	-141.NA	19.5MA	-1.040A	-9.92NA
7	-275.MA	27.1NA	-15 4NA	-33.2MA
ਖ਼ੇ	-97.8MA	4.19NA	-2.12NA	-4.49NA
9 -	-455.NA	66.5NA	27.5NA	-14.3NA
10	-150.NA	-40.4MA	=64.0NA	-85.2NA
11	-40.7NA	-05.2NA	-89.9NA	-102.nA
12	206.NA	14.2NA	6.23NA	-23.2NA
13	-157.NA	23.3NA	-308.PA	-6.81NA
14	-146.NA	14.5NA	-6.65 NA	-21.INA
15	-233.NA	35. UNA	735.PA	-21.9NA
16	-99.2ivA	10.7NA	4.04NA	-6.95NA
1.7	-147.NA	25.8NA	5.85NA	-5.92WA
18	-195.NA	13.5NA	-15,1NA	-17.5NA
19	-133.MA	22.9WA	2.85NA	-8.73NA
20	-94.BNA	10.4WA	2.92NA	-6.4/NA
21	-124 WA	14.0NA	14.1NA	-8.90WA
22	-481.NA	83.7NA	25,4NA	4.23 WA
23	-312.NA	46.8NA	6.00NA	17.7NA
24	-116.NA	N/A	N/A	N/A
25	-155.MA	16.7NA	-885.PA	1.65WA
26	-141.nA	26.9WA	i-12NA	2.62WA
27	-118.NA	19. UNA	=1.62NA	-2.07MA
28	=148.WA	10.3NA	-10.3MA	-8.19NA
29	-302.NA	n/A	N/A	R/A
JÚ.	=Zlo.wA	10.8MA	5 * 5 4 N A	-7.31NA
J1	-130.NA	59.3NA	13.7NA	22.1NA
32	-162.NA	43.4MA	N/A	N/A
33	-231.WA	60.714A	30.7NA	38.5NA
34	=243 . NA	20.5NA	-3.04NA	731.PA
35	-225.NA	19.UNA	-22.4NA	-14.3NA

WURST CASE INPUT LOW CURRENT (LIL) AT 125 C

	No. of the contract of the con	and the second s		
	LNITIAL	168 HR	1000 HR	2000 HK
SN	DATA	DELTAS	DELIFAS	DELTAS
4	-201.NA	34.5NA	ANUU.E-	-27.0MA
5	-391:NA	55.5NA	38.UNA	-25.UHA
b	-154.NA	24.5NA	2.50NA	-3.00MA
7 ដ	-310.NA	29.0NA	-17.UNA	-45.5MA
占	-1 U 7 . WA	500.PA	-7.50NA	-7.5UNA
9	-500.NA	b6.UNA	54.UNA	6.00NA
10	-178.NA	-33.5NA	-51.5NA	-76.0NA
11	73.0NA	-204.NA	-221 . NA	-228.HA
12	-233.NA	21.5NA	-8.00NA	-5.00MA
1.3	-171.WA	29.5NA	2.50NA	-3,00MA
14	-160.NA	18. UNA	-6. JUNA	-15.5NA
15	-260.NA	40 . UNA	23.UNA	500.PA
16	-108.NA	I4.ONA	3.50NA	-7.50NA
17.	-150.NA	29.0NA	13.5NA	-6.00MA
18	-240.NA	51.5NA	16.0NA	20.0NA
19	-141,NA	17.5NA	1.UUNA	-7.00 MA
20	-108.NA	10.UNA	11.0NA	=4.UUNA
21	-104.NA	29.5NA	12.5NA	-2.5UNA
22	-512.NA	78.5NA	28.0NA	4.UUNA
23	-381.NA	80.5nA	23.5NA	58.5#A
24	-130.NA	N/A	N/A	N/A
25	-182.NA	27. UNA	5.00NA	12.5MA
20	-156.NA	19.5WA	5.50NA	6.50NA
27	~130.NA	22.5#A	4.50 mA	-5,00MA
28	-158.NA	7.50NA	-14.UNA	-16.5MA
29	-324.mA	N/A	N/A	N/A
30	-228.NA	+2.00NA	-17.0MA	-13.UNA
31	-409.NA	63.5NA	26.0WA	18.5NA
32	-183.NA	54.UNA	N/A	N/A
3.3	-308.NA	71.5NA	45.5NA	45.5NA
34	-265.NA	29 . ONA	-500.PA	-6.5UNA
35	-239.NA	14.UNA	-19.5NA	-16.5MA
	· · · · · · · · · · · · · · · · · · ·			

AVERAGE INPUT HIGH CURRENT (IIH) AT 125 C

		INTLIAT	108 HR	1000 HR	2000 HR
SN	**************************************	DATA	OELTAS	DELTAS	OELTAS
4		273.NA	-19.9NA	14.5NA	27.38A
5		Joe.NA	-30.4NA	-19.6NA	26 . 5NA
ь		153.WA	-15.1MA	9.35WA	15.UNA
7		299.NA	-15.7mA	22.2NA	34.311A
8	·	109.NA	-2.12NA	6.92NA	8.12mA
9		448 NA	-21.6NA	-18.9NA	15. DNA
10		AN. POG	-446.NA	-417.NA	-406 . NA
11	The state of the s	1.23UA	-1.02UA	-1.10UA	-1.10UA
12		216.NA	-8.54NA	22.3NA	20.5NA
13		138 NA	-7.50WA	17.0NA	14.0NA
14		16U.WA	-10.1NA	15.1NA	21.1HA
15		249.NA	-23.5NA	LaUONA	15.5WA
10		106.NA	-13.2NA	2.50NA	7.50WA
1.7		103.NA	AMd.ES-	38.5PA	4.0UNA
18		224.NA	-27. DNA	5.19NA	-615.FA
19		147.NA	-20.7NA	2.85 m A	8.92NA
20		91.4NA	-7.50NA	5.00MA	10.4NA
21		128 - NA	-10.5MA	3.12NA	9.27 NA
22		501.WA	-82.2NA	-1d.0NA	-769.PA
23		340.NA	-44. SIVA	423.PA	=22./nA
24		124.WA	N/A	н/А	N/A
25		169.NA	-8.88NA	12.5NA	-538.PA
26		149.MA	-18.5NA	6.19NA	-4.73NA
27		127.NA	-14.0NA	7.92NA	-308.FA
28		Lb3.NA	-0.42NA	L9.UNA	5.7/NA
29		350.WA	w/A	N/A	N/A
ΔÚ		212.NA	2.69NA	28.7WA	11.ZNA
31		431 .NA	-45.8WA	-5.31AA	-19.7NA
32		219.WA	-52.2NA	14 / A	N/A
33		307.NA	-01.9NA	-25.4NA	-38.ZNA
34		250.NA	-6.81 NA	18.89A	-1.54MA
35		232.WA	21.9NA	31.8NA	11.VAA

WURST	CASE	LNPUT	HIGH	CURRENT	(TTH)	ΑT	125	C

1,5				1.5
	LNITIAL	168 HK	1000 HR	2000 HR
S	ATA	DELTAS	DELTAS	DELTAS
	4 323.NA	-19.5NA	14.0mA	29.5NA
	416.NA	-37.0NA	-20.UNA	25.5NA
	181.NA	-1/.UNA	ANUU.B	21.UNA
	7 331.NA	-5.5UNA	17.5NA	46.0NA
i	128.WA	1.00NA	7 . UUNA	5.5UNA
. 4	9 513.WA	203.NA	-21.0NA	17.5MA
1	2.26UA	-2.00UA	-1.98UA	-1.96UA
1.	1 8.45UA	-8.100A	-8.30UA	-8.30UA
1	2 247.11A	-500.PA	25.0NA	18.0NA
Į.	3 16/.NA	-5.50NA	23.0NA	19.5NA
1	4 188.NA	-10.5MA	20.UNA	23.UNA
13	5 291,NA	-24.0NA	A,OUNA	11,5NA
1	122.NA	-15.UNA	2.50NA	2.50NA
1	7 186.NA	-25.5NA	500.PA	2.50NA
1	8 259.NA	-28.5NA	4.5UNA	0.00 A
1	9 170.NA	-23.5NA	2.50NA	4.0UNA
2	U LU5.NA	-5.50wA	5.50NA	14.UNA
. 4	1 165.WA	-27.0KA	-2.50NA	4.50NA
- 2	2 571 HA	-91.UNA	-19.0NA	-11.UNA
2	3 574.NA	-55,5NA	-0.50NA	-73.5NA
2	4 140.NA	N/A	AVA	N/A
. 2	5 190.NA	-9.50NA	10.5NA	-6.00NA
2	6 170.NA	-15.5WA	7.50NA	2.50NA
2		#12.UNA	AN00.8	4.00NA
2	B 187 NA	-2.50NA	25.0NA	9.00WA
2	9 401.nA	N/A	n/A	A/N
3	U 251.NA	13.0NA	37.0NA	12.5NA
٤	1 489.NA	-46.5NA	=9.50WA	-18.5WA
3	240.NA	-58.UNA	AVII	NZA
3	3 43.NA	-65.5NA	-29.5NA	=46.UNA
3	4 283.WA	0.00 A	20.UNA	A N O U . E -
٤	5 262.WA	479.NA	43.UNA	25. UNA

SUPPLY CURKENT (ICCIBU) AF 125 C

	LNITIAL	108 иК	1000 HR	2000 нR
SN	DATA	DELTAS	DELITAS	DELTAS
4	746.UA	-73.5UA	9.00ÜA	49.5UA
4 5	259.UA	-25.0UA	-17.5UA	lo, uuA
6	196.UA	-24.UUA	-12.0UA	500.nA
7	357.UA	-33.00A	/.00UA	17.0UA
8	161.UA	2.50UA	-19.5UA	-20.UUA
9	460.UA	-48.5UA	-31.0UA	-2.50UA
10	121.UA	23.5UA	37.00A	47.UUA
11	79.6UA	87.9UA	92.9UA	97.9UA
12	238.UA	-18.5UA	6.U0UA	7.00UA
13	162.UA	-20.0UA	-2.00UA	1.50UA
1 4	I16.UA	-12.0UA	4.50UA	14.0UA
15	407.UA	-50.5UA	-20.UUA	-11.0UA
16	126.UA	-19.5UA	-7.00UA	-500.NA
1.7	105.UA	-17.6UA	1.00UA	6.5044
18	146.UA	-20.0UA	-2.50UA	-5.000A
19	137.UA	-22.5UA	-5,00UA	0.00 A
2 U	10/.UA	-15.6UA	-4.50UA	2.50UA
21	94.4UA	-12.0UA	-5.65UA	1.60UA
22	342.UA	-59.0UA	-22.5UA	-14.5UA
23	309.UA	-46.5UA	-13.5UA	-34.0UA
24	172.UA	N/A	N/A	N/A
25	245.UA	-20.5UA	-2.50UA	-18.UUA
20	211.UA	-37.5UA	-10,0uA	-22.0UA
27	179.UA	-26.0UA	-/.00UA	-13.UUA
28	1/7.UA	-17.0UA	6.00UA	-3.50UA
29	645.UA	AVA	N/A	N/A
30	319.UA	-3.500A	53.UUA	41.5UA
31	365.UA	-42.50A	-10.00A	-31.5UA
32	87.2UA	-21.6UA	N/A	N/A
33	192.UA	-36.0UA	-20.5UA	-20.0UA
34	AU.08a	=50.00A	-15.0UA	+24.5UA
35	285.UA	-25.00A	16.UUA	-4.50UA
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SUPPLY CURRENT (ICC181)	AT	125 C
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	ialTial	168 អន	1000 HR	2000 HR
SN	DATA	DELIAS	DELITAS	DELTAS
4	1.10MA	-100.Ba	25,0UA	75.00A
5	296.UA	-31.0UA	-19,5UA	17.UUA
6	256.UA	-64.UUA	-60.0UA	-53.5UA
The state of the s	331.UA	-22.0UA	-500.NA	4.50UA
ង	153.UA	-1.50UA	-10.5UA	⇔16.UUA
9	40/.UA	-31.0UA	-19.5UA	1.50UA
10	127.UR	25.0UA	38.5UA	49.UUA
4.11	82.5UA	91.5UA	96.1UA	102.UA
12	299.UA	-14.00A	13.5UA	16.5UA
13	182.UA	-22.5UA	1.000A	4.50UA
14	119.UA	-11.0UA	5.50UA	11.UUA
15	350.UA	-40.5UA	-16.0UA	1.00UA
10	116.UA	-18.3UA	-4.50uA	2.00UA
17	IU4.UA	-16.2UA	5.50UA	12.5UA
18	Lb4.UA	-22.5UA	-1.50UA	-3,00UA
4 19 9 9 9 9 9	123.UA	-22.0UA	-3.50UA	2.00UA
20	116.UA	-18.5UA	-3.00UA	5.00UA
21	97.4UA	-12.6UA	-4.40UA	2.10UA
22	289.UA	-43.5UA	-10.5UA	-8.50UA
23	278.UA	-38.uUA	-10.0UA	-25.5UA
24	173.UA	A VI	N/A	M/A
25	371.UA	-22.0UA	AUUUA .	-14.5UA
26	202.UA	-26.5UA	+5.50UA	-15.5UA
- 21	1/1.UA	-22.5UA	-4.50UA	-9.00UA
28	163.UA	-13.5UA	8.50UA	O.OO A
29	634.UA	N/A	N/A	N/A
30	434,UA	-5.00UA	97.0UA	89.UUA
31	337.UA	-30.5UA	-13.5UA	-19.00A
32	ช5.70ส	-21.7UA	N/A	N/A
199 3 - 1984 - 1984 - 1	1.19MA	225.UA	235.UA	245.UA
34	942.UA	-52.5UA	-12.0UA	-22.5UA
35	26./.UA	-21.5UA	19.0UA	2.00UA

SUPPLY CURRENT (ICC2BO) AT 125 C

	LNIIIAL	168 HK	1000 HR	2000 HR
Sin	DATA	DELIAS	DELTAS	DELTAS
<u>.</u>	/34.UA	-73.5UA	7.50UA	47.5UA
5	443.UA	-18.5uA	-14.5UA	17 " UUA
გ	213.UA	-33.5UA	-12.5UA	0.00 A
7	407.UA	-32,00A	9.00UA	17.5UA
8	1/4.UA	-1.50UA	-20.UUA	-20.5UA
7 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	537.UA	-33.00A	-35.5UA	-6.00∪A
10	130.UA	26.5UA	39.0UA	49.0UA
11	85.9UA	40.dQ4	100.UA	104.UA
12	271.UA	-17.5UA	9.50UA	9.50UA
13	1/9.UA	-22.5UA	-1.50UA	1.50UA
14	128.UA	-10.0UA	5.00UA	14.0UA
15	409.UA	-58.5UA	-28.QUA	-15.UUA
16	141.UA	=21.5UA	-8.00UA	-1.50UA
1.7	124.UA	-15.5UA	0 . 00 A	5.00UA
1 ថ	154.UA	-24.0UA	-3.000A	-5.00UA
19	155.UA	-23.UUA	-5.50UA	-1.00UA
20	117.UA	-17.2UA	-4.50UA	3.000A
21	99.5UA	=13.1UA	-4.90UA	2.00UA
22	. 117.UA	-25.0UA	46.5UA	99.UUA
23	352.UA	-50.5UA	-15.5UA	-41.VUA
24	197.UA	Ν/A	N/A	N/A
25	258.UA	-18.5UA	-1.50UA	-17.5ua
2b	240.UA	-35.5UA	-10.5UA	-24.UUA
27	14/.UA	-18.0UA	-1.50UA	-10.00A
2.6	199.UA	-14.5UA	√7 •.5.0.U A	-3.50uA
29	177.UA	O/A	N/A	N/A
3.0	319.UA	-7.50UA	52.5UA	40.00A
31	421.UA	-57.0UA	-18.5UA	-38.0UA
32	9.21MA	/0.0UA	A \mathred M	N/A
3.3	250.UA	-41.5UA	-22.00A	-26.5UA
34	100.UA	-48.0UA	-13.0UA	-22.5UA
35	327.UA	-24.5UA	19.5UA	-5.5∪UA

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SUPPLY CURRENT (1CC2b1) AT 125 C

		LNITIAL	168 HK	1000 HR	2000 HR
ន្ត		DATA	DELTAS	DELTAS	DELTAS
4		857.UA	-05.0UA	9.0004	49.0UA
5		390.UA	-16.5UA	=11.5UA	12.5UA
b		244.UA	-76.0UA	-82.5UA	-80.5UA
7		292.UA	-21.5UA	-7.00UA	-10.0UA
ਲ		134.UA	2.00UA	-19.5UA	-20.5UA
9		349.UA	500.NA	-19.5UA	-8.50UA
1 v		98.0UA	18.0UA	28.6UA	36.1UA
11		60.9UA	72.6UA	69.6UA	72.1UA
. 12	* *	206.UA	-16.5UA	3.00UA	2.50UA
13		140.UA	-20.0UA	-1.00UA	0.00 A
14		94.4UA	-9.60UA	2.40DA	5.60UA
15		287.uA	-33.0UA	-18.5UA	=11.5UA
16		93.2UA	-16.4UA	-0.10UA	-1.30UA
1 /		AUd. BB	-13.9UA	2.30UA	7.95UA
18		122.UA	-18.0UA	-2.00uA	-4.50UA
19		99.7UA	-17.5UA	-4.45UA	AM . 008-
20		87.7UA	-15.2UA	-5,05UA	1.05UA
21		73.5UA	-9.60UA	-4.40UA	900 . NA
2.2		626.UA	-3.50UA	57.0UA	105.UA
23		233.UA	-33.0UA	+12.UUA	-29,5UA
24		149.UA	N/A	N/A	R/A
25		276.UA	-18.0UA	-7.00UA	-18.00A
26		162.UA	-26.0UA	-/.50UA	-18.5UA
21		100.UA	₩14.6UA	₩1.05UA	-6.30UA
26		131.UA	-12.5UA	4.50UA	-3.50UA
29		117.UA	N/A	N/A	N/A
ÚÉ		307.UA	43. 500A	AUO.U\	65.5UA
31		286.UA	AUC.EE-	-15.0UA	-22.5UA
32		9:19MA	o5.UUA	N/A	N/A
33		1.21mA	285.UA	205.UA	305.UA
34		707.UA	-51.5uA	=14.5UA	-22.5∪A
35		213.UA	-21.5dA	11.UUA	-6.5UUA

OUTPUT LUW CURRENT (10L) AT 125 C

	INTLIAL	168 HK	1000 HR	2000 HR
នល	DATA	DELTAS	DELTAS	DELTAS
4	21.7UA	-1.00UA	850.NA	1.850A
5	4.74UA	-305.NA	-45 UNA	455 NA
ь	1.14UA	-40.UNA	135.WA	145.NA
7	1.83UA	90 . UNA	260.NA	150.NA
<u>វ</u> ន	350 .NA	4b.UNA	89.UNA	61.UNA
9.	1.88UA	175 . NA	55.UNA	10.UNA
10	1.69UA	430.NA	675.NA	750 . NA
11	893.NA	1.34UA	1.34UA	1,39UA
12	3.37UA	-60.UNA	305.NA	AM. VOE
13	2.79UA	-205.nA	125.NA	135 . nA
14	1.11UA	5.00NA	170.NA	165.NA
15	1.93UA	25.0NA	340.NA	170.NA
10	88U.NA	-53.UNA	90.5NA	60.5NA
17	1.14UA	-bU.UNA	285 . NA	370.NA
16	2.61UA	-200 . NA	85.0NA	100.NA
19	883.WA	-72.5NA	74.0NA	36. UNA
20	1.38UA	-70. UNA	45.UNA	65.UNA
21	1.00UA	-10.5MA	45.0NA	70.00A
22	1.64UA	-135.WA	105.NA	20.0MA
23	1.34UA	- 30 . UNA	165.NA	-30.0MA
24	1.03uA	N/A	N/A	N/A
25	5.35UA	-215 .NA	135.NA	-105.NA
26	1.58UA	-130 NA	185.NA	15.0NA
27	804.NA	-48.5NA	89.5NA	59.UNA
28	1.18UA	50.0NA	285.NA	125.NA
29	1.54UA	N/A	N/A	n/A
30	11.4UA	300 . NA	2.85UA	2.90UA
31	1.52UA	615 NA	155.NA	-25.UNA
32	1.00UA	-227 . NA	N/A	N/A .
. 33	2.62UA	#365 . NA	-140 . NA	-390.NA
34	13.0UA	-200 . WA	500.NA	-150.NA
35	2.00UA	15.0NA	430.NA	145.NA